FORM 3

AMENDED REPORT ☐

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL		**1. WELL NAME and NUMBER** Bonanza 1023-5G2CS
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○		**3. FIELD OR WILDCAT** NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		**7. OPERATOR PHONE** 720 929-6587
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		**9. OPERATOR E-MAIL** mary.mondragon@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 33433	**11. MINERAL OWNERSHIP** FEDERAL ◉ INDIAN ○ STATE ○ FEE ○	**12. SURFACE OWNERSHIP** FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ◉ (Submit Commingling Application) NO ○	**19. SLANT** VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	**FOOTAGES**	**QTR-QTR**	**SECTION**	**TOWNSHIP**	**RANGE**	**MERIDIAN**
LOCATION AT SURFACE	2060 FNL 1442 FEL	SWNE	5	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	1715 FNL 2450 FEL	SWNE	5	10.0 S	23.0 E	S
At Total Depth	1715 FNL 2450 FEL	SWNE	5	10.0 S	23.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 1715	**23. NUMBER OF ACRES IN DRILLING UNIT** 321
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 360	**26. PROPOSED DEPTH** MD: 8758 TVD: 8520
27. ELEVATION - GROUND LEVEL 5319	**28. BOND NUMBER** WYB000291	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** Permit #43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER**	☑ **COMPLETE DRILLING PLAN**
☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)**	☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER**
☑ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)**	☑ **TOPOGRAPHICAL MAP**

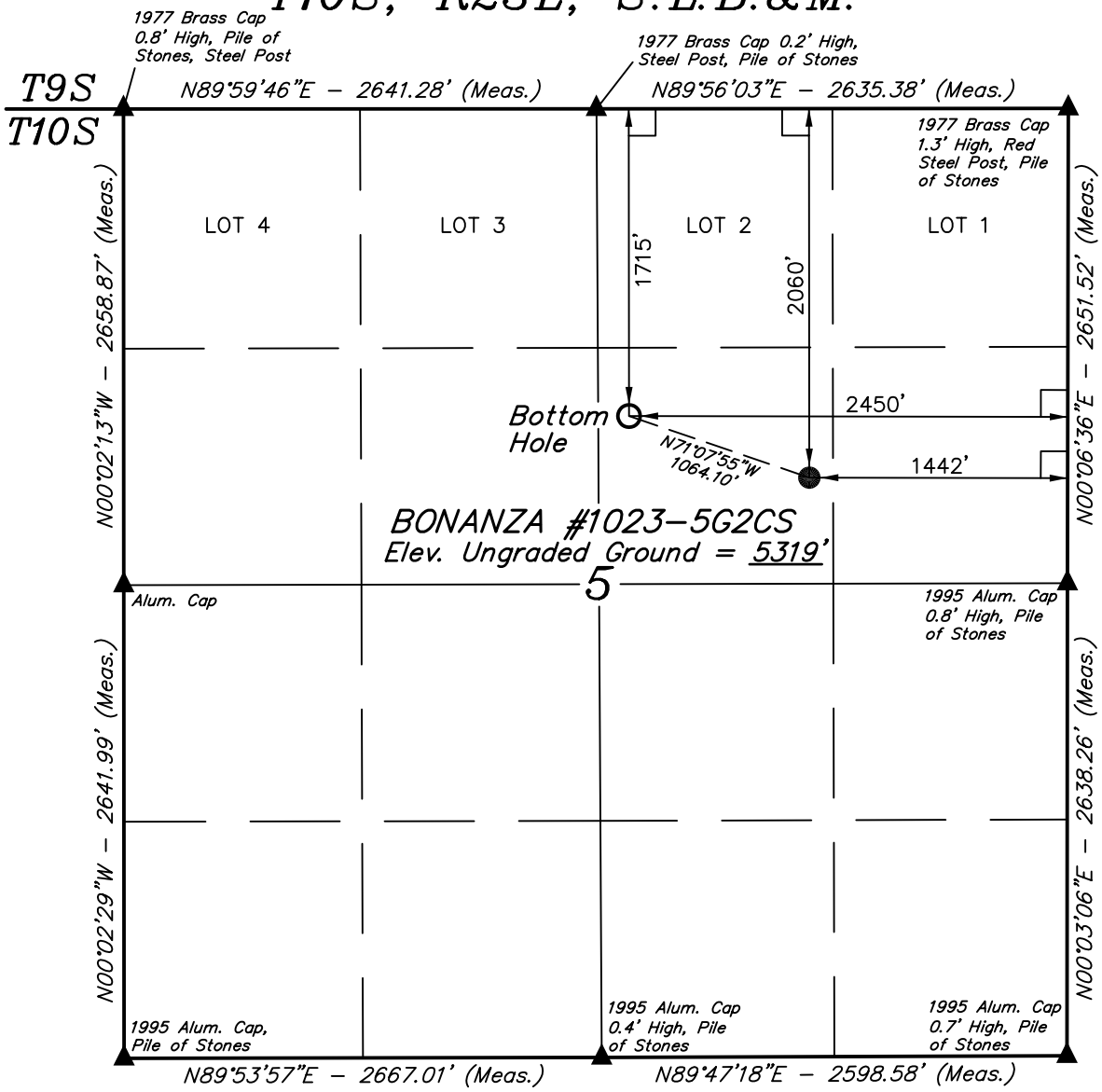
NAME Danielle Piernot	**TITLE** Regulatory Analyst	**PHONE** 720 929-6156
SIGNATURE	**DATE** 06/09/2009	**EMAIL** danielle.piernot@anadarko.com

API NUMBER ASSIGNED 43047504870000	**APPROVAL**  Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	8758		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 LT&C	8758	11.6			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2260		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	2260	36.0			

T10S, R23E, S.L.B.&M.



Kerr–McGee Oil & Gas Onshore LP

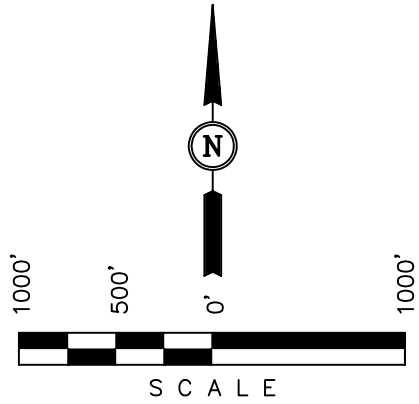
Well location, BONANZA #1023–5G2CS, located as shown in the SW 1/4 NE 1/4 of Section 5, T10S, R23E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 02–05–09 C.C.
REVISED: 01–21–09 S.P.
REVISED: 12–19–08 S.P.

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°58'49.93" (39.980536)	LATITUDE = 39°58'46.53" (39.979592)
LONGITUDE = 109°21'00.21" (109.350058)	LONGITUDE = 109°20'47.28" (109.346467)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°58'50.05" (39.980569)	LATITUDE = 39°58'46.65" (39.979625)
LONGITUDE = 109°20'57.77" (109.349381)	LONGITUDE = 109°20'44.84" (109.345789)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10–15–08	10–29–08
PARTY	**REFERENCES**	
B.B. D.S. C.C.	G.L.O. PLAT	
WEATHER	**FILE**	
COOL	Kerr–McGee Oil & Gas Onshore LP	

'APIWellNo:43047504870000'

Kerr–McGee Oil & Gas Onshore LP

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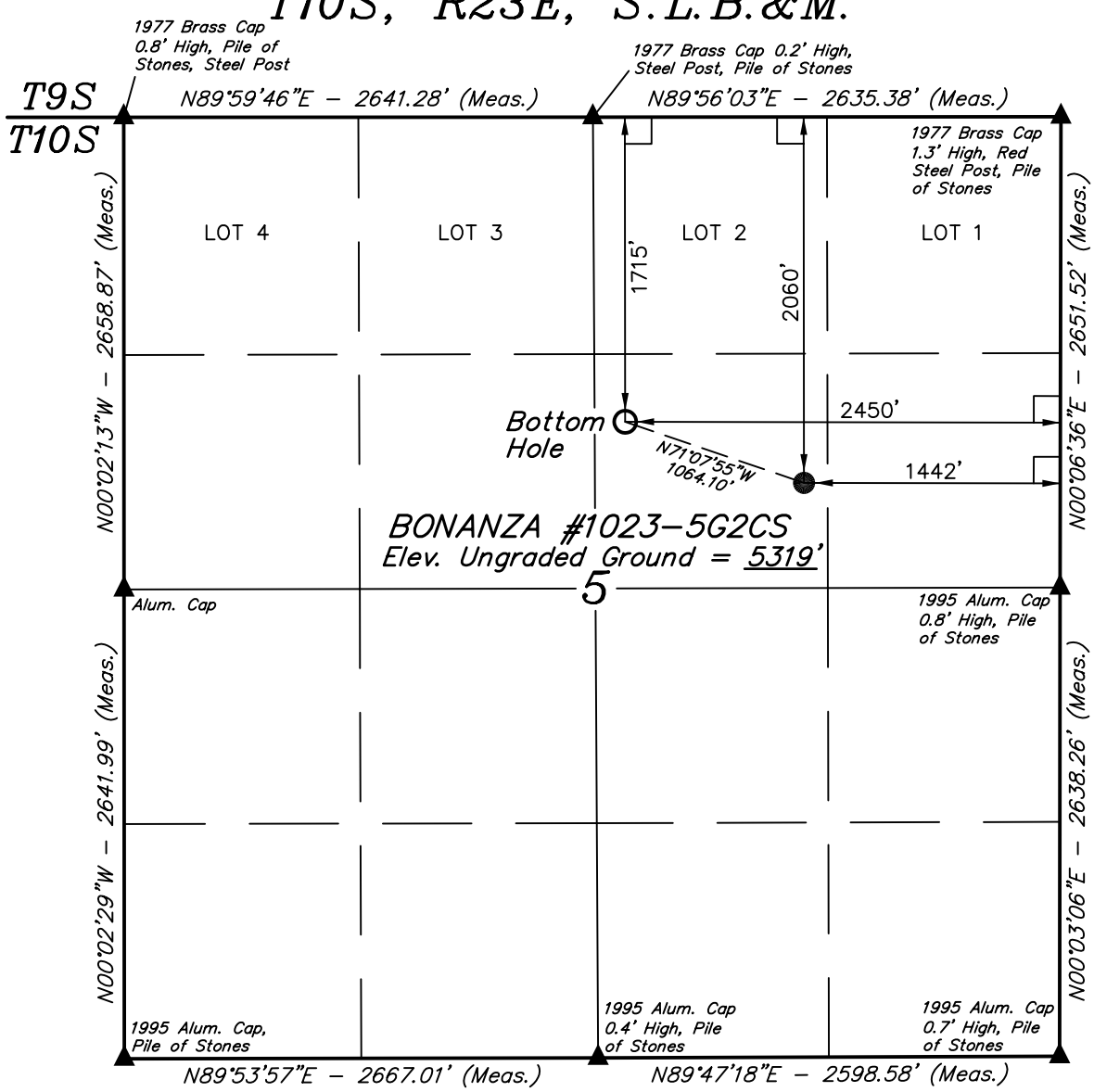

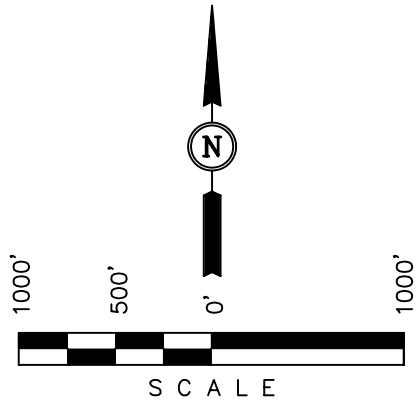

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REGISTRATION NO. 161319
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REVISED: 02–05–09 C.C.
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85 SOUTH 200 EAST – VERNAL, UTAH 84078
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SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10–15–08	10–29–08
PARTY	**REFERENCES**	
B.B. D.S. C.C.	G.L.O. PLAT	
WEATHER	**FILE**	
COOL	Kerr–McGee Oil & Gas Onshore LP	

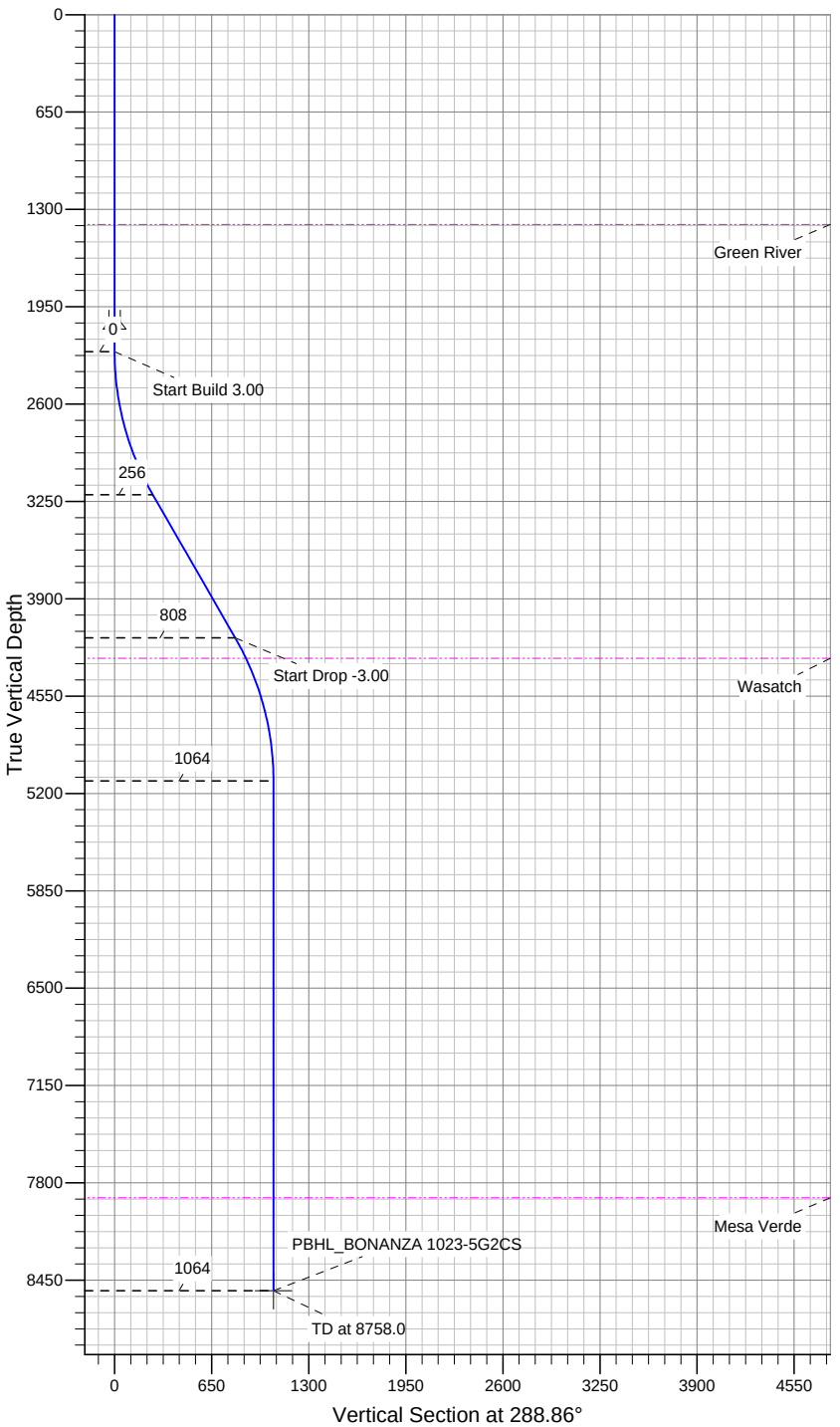
'APIWellNo:43047504870000'

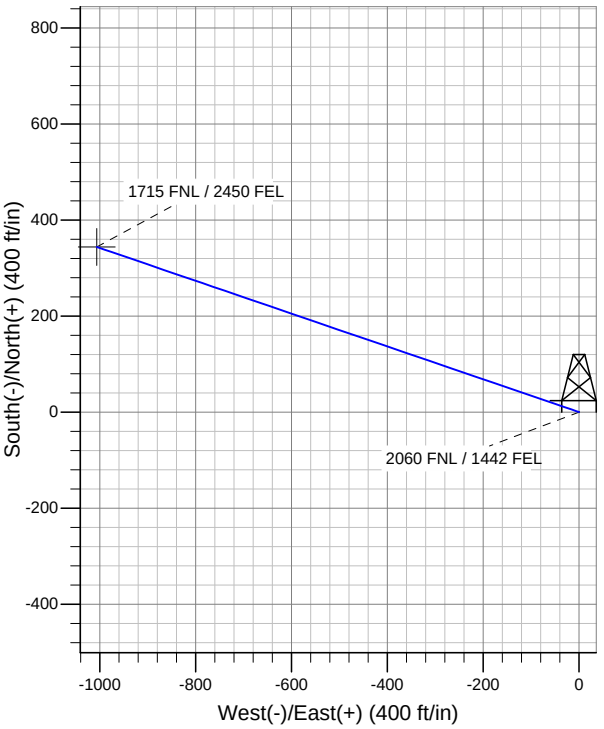
'APIWellNo:43047504870000'

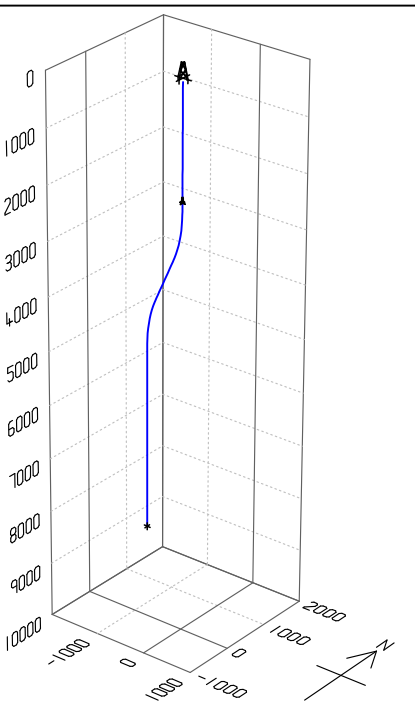
Anadarko Petroleum Corporation

Well Name: P_BONANZA 1023-5G2CS
Surface Location: UINTAH_BONANZA 1023-5G PAD
NAD 1927 (NADCON CONUS) Universal Transverse Mercator (US Survey Feet)
UTAH - UTM (feet), NAD27, Zone 12N
Ground Elevation: 5319.0

Northing	Easting	Latitude	Longitude
14522924.15	2103841.22	39.979625°N	109.345789°W

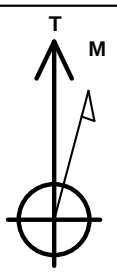






SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	2250.0	0.00	0.00	2250.0	0.0	0.0	0.00	0.00	0.0
3	3250.0	30.00	288.86	3204.9	82.7	-242.1	3.00	288.86	255.9
4	4353.7	30.00	288.86	4160.8	261.1	-764.4	0.00	0.00	807.7
5	5353.7	0.00	0.00	5115.7	343.8	-1006.5	3.00	180.00	1063.6
6	8758.0	0.00	0.00	8520.0	343.8	-1006.5	0.00	0.00	1063.6



Azimuths to True North
Magnetic North: 11.27°

Magnetic Field
Strength: 52579.1snT
Dip Angle: 65.94°
Date: 4/15/2009
Model: IGRF200510

ROCKIES - PLANNING

UTAH - UTM (feet), NAD27, Zone 12N
UINTAH_BONANZA 1023-5G PAD
P_BONANZA 1023-5G2CS
P_BONANZA 1023-5G2CS

Plan: Plan #1 04-15-09 ZJRA6

Standard Planning Report - Geographic

15 April, 2009

APC

Planning Report - Geographic

Database:	apc_edmp	**Local Co-ordinate Reference:**	Well P_BONANZA 1023-5G2CS
Company:	ROCKIES - PLANNING	**TVD Reference:**	WELL @ 5319.0ft (Original Well Elev)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**MD Reference:**	WELL @ 5319.0ft (Original Well Elev)
Site:	UINTAH_BONANZA 1023-5G PAD	**North Reference:**	True
Well:	P_BONANZA 1023-5G2CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	P_BONANZA 1023-5G2CS		
Design:	Plan #1 04-15-09 ZJRA6		

Project UTAH - UTM (feet), NAD27, Zone 12N

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site UINTAH_BONANZA 1023-5G PAD

Site Position:		**Northing:**	14,522,930.71 ft	**Latitude:**	39.979642°N
From:	Lat/Long	**Easting:**	2,103,860.72 ft	**Longitude:**	109.345719°W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	1.06 °

Well P_BONANZA 1023-5G2CS

Well Position	**+N/-S**	0.0 ft	**Northing:**	14,522,924.15 ft	**Latitude:**	39.979625°N
	+E/-W	0.0 ft	**Easting:**	2,103,841.22 ft	**Longitude:**	109.345789°W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,319.0 ft

Wellbore P_BONANZA 1023-5G2CS

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/15/2009	11.27	65.94	52,579

Design Plan #1 04-15-09 ZJRA6

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	8,520.0	0.0	0.0	288.86

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,250.0	0.00	0.00	2,250.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,250.0	30.00	288.86	3,204.9	82.7	-242.1	3.00	3.00	0.00	288.86	
4,353.7	30.00	288.86	4,160.8	261.1	-764.4	0.00	0.00	0.00	0.00	
5,353.7	0.00	0.00	5,115.7	343.8	-1,006.5	3.00	-3.00	0.00	180.00	
8,758.0	0.00	0.00	8,520.0	343.8	-1,006.5	0.00	0.00	0.00	0.00	PBHL_BONANZA 1

APC

Planning Report - Geographic

Database:	apc_edmp	**Local Co-ordinate Reference:**	Well P_BONANZA 1023-5G2CS
Company:	ROCKIES - PLANNING	**TVD Reference:**	WELL @ 5319.0ft (Original Well Elev)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**MD Reference:**	WELL @ 5319.0ft (Original Well Elev)
Site:	UINTAH_BONANZA 1023-5G PAD	**North Reference:**	True
Well:	P_BONANZA 1023-5G2CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	P_BONANZA 1023-5G2CS		
Design:	Plan #1 04-15-09 ZJRA6		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	14,522,924.15	2,103,841.22	39.979625°N	109.345789°W
1,401.0	0.00	0.00	1,401.0	0.0	0.0	14,522,924.15	2,103,841.22	39.979625°N	109.345789°W
Green River									
2,100.0	0.00	0.00	2,100.0	0.0	0.0	14,522,924.15	2,103,841.22	39.979625°N	109.345789°W
Surface Casing									
2,250.0	0.00	0.00	2,250.0	0.0	0.0	14,522,924.15	2,103,841.22	39.979625°N	109.345789°W
3,250.0	30.00	288.86	3,204.9	82.7	-242.1	14,523,002.36	2,103,597.59	39.979852°N	109.346653°W
4,353.7	30.00	288.86	4,160.8	261.1	-764.4	14,523,171.05	2,103,072.14	39.980342°N	109.348517°W
4,508.7	25.35	288.86	4,298.0	284.4	-832.5	14,523,193.05	2,103,003.62	39.980406°N	109.348760°W
Wasatch									
5,353.7	0.00	0.00	5,115.7	343.8	-1,006.5	14,523,249.27	2,102,828.51	39.980569°N	109.349381°W
8,137.0	0.00	0.00	7,899.0	343.8	-1,006.5	14,523,249.27	2,102,828.51	39.980569°N	109.349381°W
Mesa Verde									
8,758.0	0.00	0.00	8,520.0	343.8	-1,006.5	14,523,249.27	2,102,828.51	39.980569°N	109.349381°W

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL_BONANZA 10 - plan hits target center - Point	0.00	0.00	8,520.0	343.8	-1,006.5	14,523,249.27	2,102,828.51	39.980569°N	109.349381°W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,100.0	2,100.0	Surface Casing	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,508.7	4,298.0	Wasatch		0.00	
1,401.0	1,401.0	Green River		0.00	
8,137.0	7,899.0	Mesa Verde		0.00	

Bonanza 1023-5G2CS

Pad: Bonanza 1023-5G
Surface: 2,060' FNL, 1,442' FEL (SW/4NE/4)
BHL: 1,715' FNL 2,450' FEL (SW/4NE/4)
Sec. 5 T10S R23E

Uintah, Utah
Mineral Lease: UTU 33433

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	1,395'	
Birds Nest	1,570'	Water
Mahogany	2,059'	Water
Wasatch	4,293'	Gas
Mesaverde	6,356'	Gas
MVU2	7,353'	Gas
MVL1	7,892'	Gas
TVD	8,520'	
TD	8,758'	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8,758' TD, approximately equals 5,184 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,168 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

'APIWellNo:43047504870000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	June 9, 2009	
WELL NAME	**Bonanza 1023-5G2CS**		TD	8,520' TVD	8,758' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,319'
SURFACE LOCATION	SW/4 NE/4 2,060' FNL	1,442' FEL	Sec 5	T 10S	R 23E
	Latitude: 39.979592	Longitude: -109.346467		NAD 83	
BTM HOLE LOCATION	SW/4 NE/4 1,715' FNL	2,450' FEL	Sec 5	T 10S	R 23E
	Latitude: 39.980536	Longitude: -109.350650		NAD 83	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @ 1,395'

Top of Birds Nest @ 1,570

Mahogany @ 2,059

Preset f/ GL @ 2,260' MD

Note: 12.25" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @ 4,293'

Mud logging program TBD

Cased hole logging program from TD - surf csg

Mverde @ 6,356' TVD

MVU2 @ 7,353' TVD

MVU1 @ 7,892' TVD

		7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC csg	Water / Fresh Water Mud 8.3-11.6 ppg

Max anticipated Mud required 11.6 ppg

TD @ 8,520' TVD 8,758' MD

'APIWellNo:43047504870000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2,260	36.00	J-55	LTC	1.05	1.91	7.09
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8,758	11.60	I-80	LTC	2.38	1.24	2.27

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,168 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,184 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,760'	65/35 Poz + 6% Gel + 10 pps gilsonite	420	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,788'	Premium Lite II + 3% KCl + 0.25 pps	360	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,970'	50/50 Poz/G + 10% salt + 2% gel	1,220	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

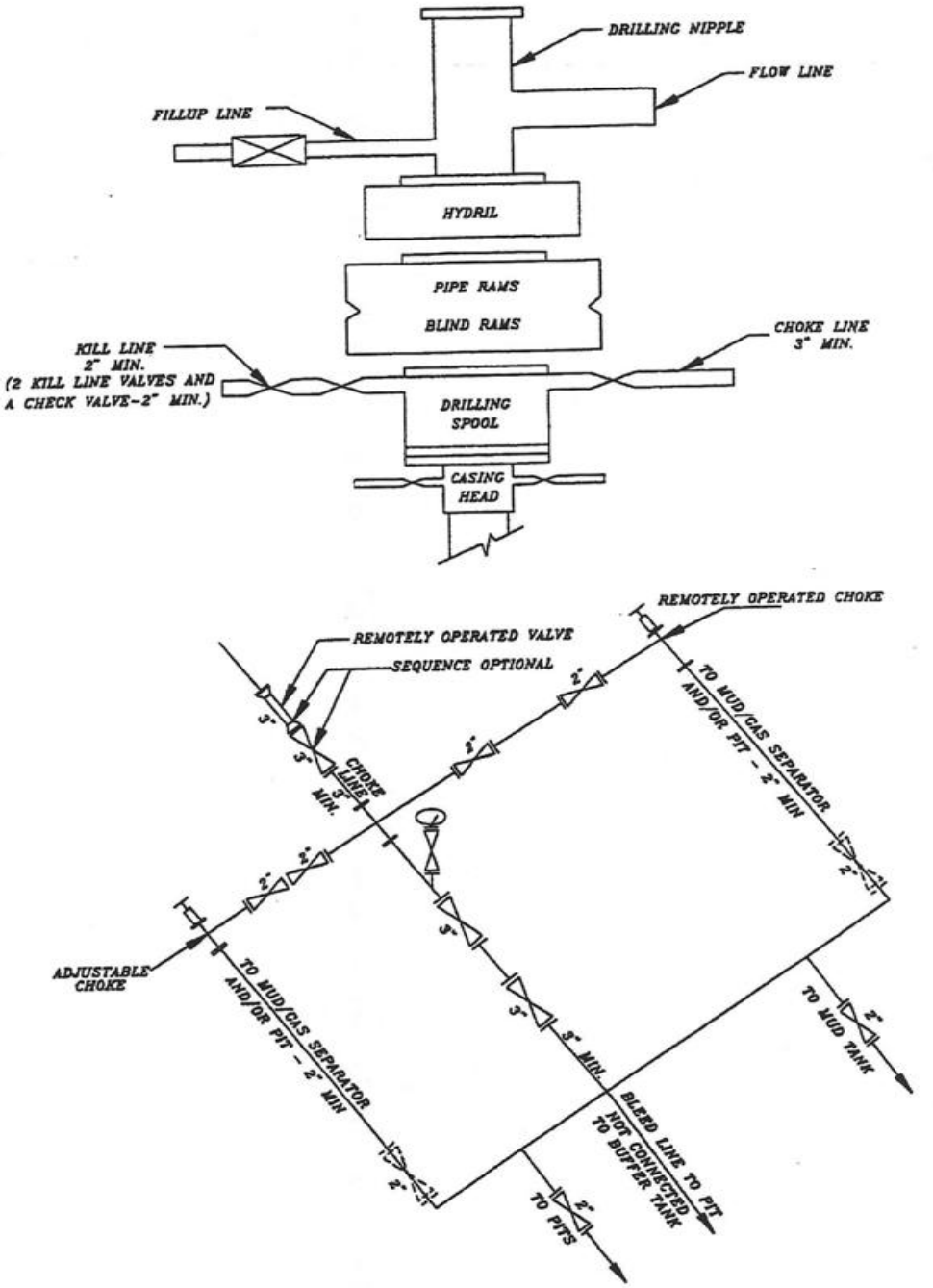
Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

EXHIBIT A
Bonanza 1023-5G2CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

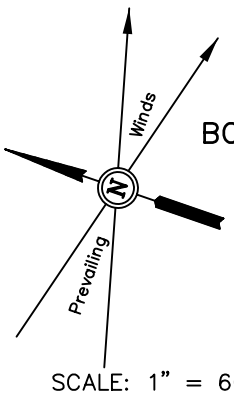
'APIWellNo:43047504870000'

Kerr–McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

BONANZA #1023–5G2AS, #1023–5G2CS, #1023–5G3BS & #1023–5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.
SW 1/4 NE 1/4



SCALE: 1" = 60'
DATE: 10–29–08
Drawn By: C.C.
REVISED: 12–23–08 S.P.
REVISED: 02–05–09 C.C.

Existing Well Head Bonanza #1023–5G
NAD 83 (SURFACE LOCATION)
Latitude =39°58'46.61" (39.979614)
Longitude=109°20'48.38" (109.346772)
NAD 27 (SURFACE LOCATION)
Latitude = 39°58'46.73" (39.979647)
Longitude=109°20'45.94" (109.346094)

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

F–9.8' El. 309.3'
F–1.2' El. 317.9'
C–1.3' El. 320.4'
C–6.4' El. 315.5' (btm. pit)
C–1.8' El. 320.9'
C–6.5' El. 315.6' (btm. pit)
F–1.3' El. 317.8'
F–0.3' El. 318.8'
C–0.6' El. 319.7'
C–0.1' El. 319.2'
C–0.3' El. 319.4'
GRADE El. 319.1'

Approx. Top of Cut Slope
Existing Access Road
Approx. Toe of Fill Slope
Round Corners as Needed
Existing Pad
Existing 4" Pipeline
Sta. 5+00
Sta. 2+50
Sta. 1+00
Sta. 0+00
80'
240'
250'
160'
100'
60'
20'
10'
190'
DATA
CATWALK
PIPE RACKS
FLARE PIT
RIG
DOG HOUSE
TRAILER
TOILET
FUEL
STORAGE TANK
MUD TANKS
PUMP
MUD SHED
HOPPER
POWER
TOOLS
TRASH
Anchor
RESERVE PITS (10' Deep)
Total Pit Capacity W/2' of Freeboard = 26,140 Bbls.± Total Pit Volume = 7,090 Cu. Yds
Reserve Pit Backfill & Spoils Stockpile
Topsoil Stockpile
15' WIDE BENCH/DIKE
15' WIDE BENCH
SLOPE 1 1/2 : 1
Existing Well Head Bonanza #1023–5G
#1023–5G2AS
#1023–5G2CS
#1023–5G3BS
#1023–5G3CS
N50°01'03"W 868.44' (To Bottom Hole)
N71°07'55"W 1064.10' (To Bottom Hole)
S86°18'15"W 1156.13' (To Bottom Hole)
S66°01'13"W 1138.98' (To Bottom Hole)
52.55'
156.14472

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

Elev. Ungraded Ground at #1023–5G2AS Location Stake = 5319.4'
Elev. Graded Ground at #1023–5G2AS Location Stake = 5319.1'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789–1017

'APIWellNo:43047504870000'

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

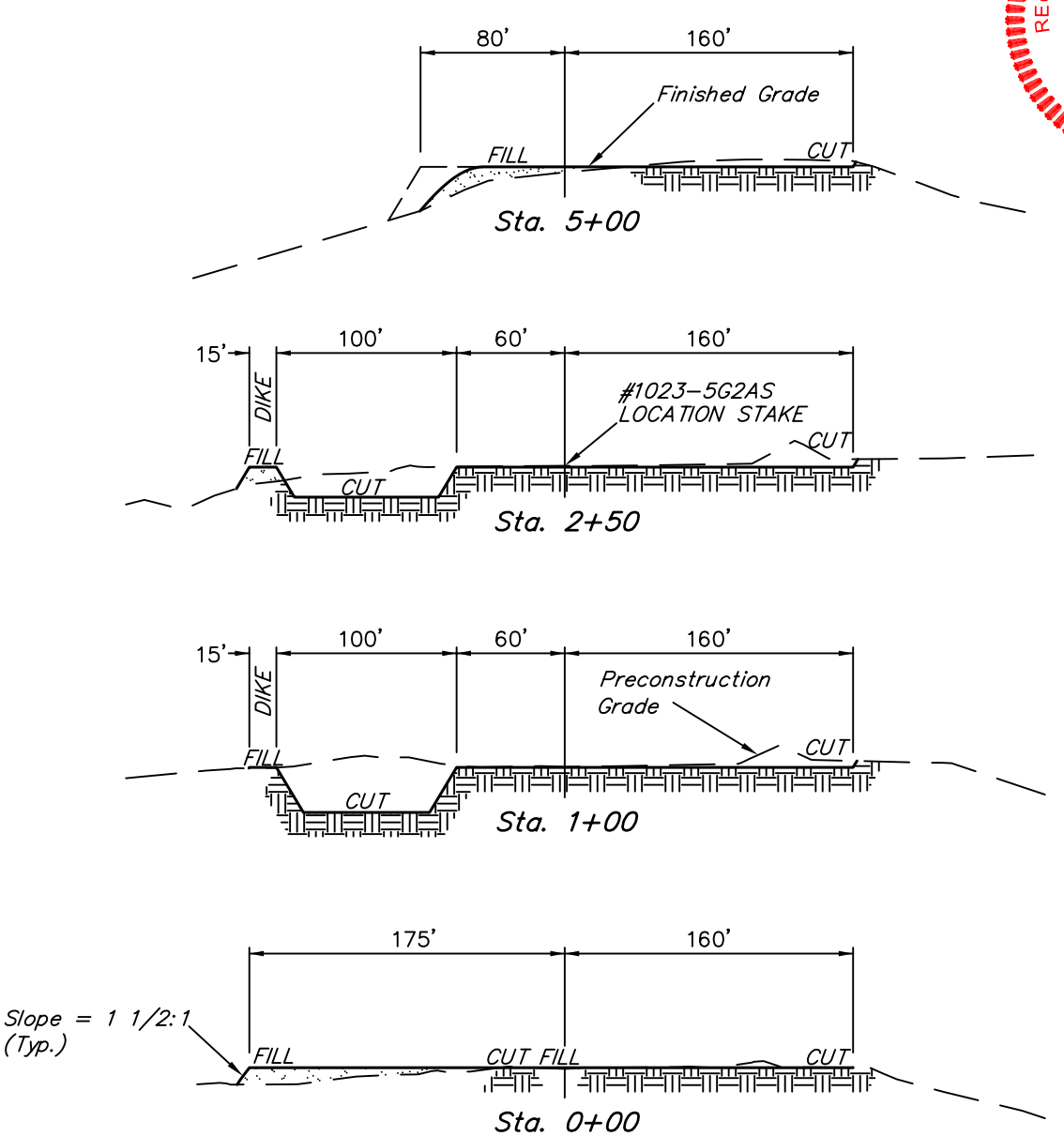
TYPICAL CROSS SECTIONS FOR

BONANZA #1023-5G2AS, #1023-5G2CS, #1023-5G3BS & #1023-5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.
SW 1/4 NE 1/4

1" = 40'
X-Section Scale
1" = 100'

DATE: 10-29-08
Drawn By: S.P.
REVISED: 12-23-08 S.P.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



APPROXIMATE ACREAGES

EXISTING WELL SITE DISTURBANCE = ± 1.400 ACRES
PROPOSED WELL SITE DISTURBANCE = ± 2.762 ACRES
PIPELINE DISTURBANCE = ± 0.519 ACRES
TOTAL = ± 4.681 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

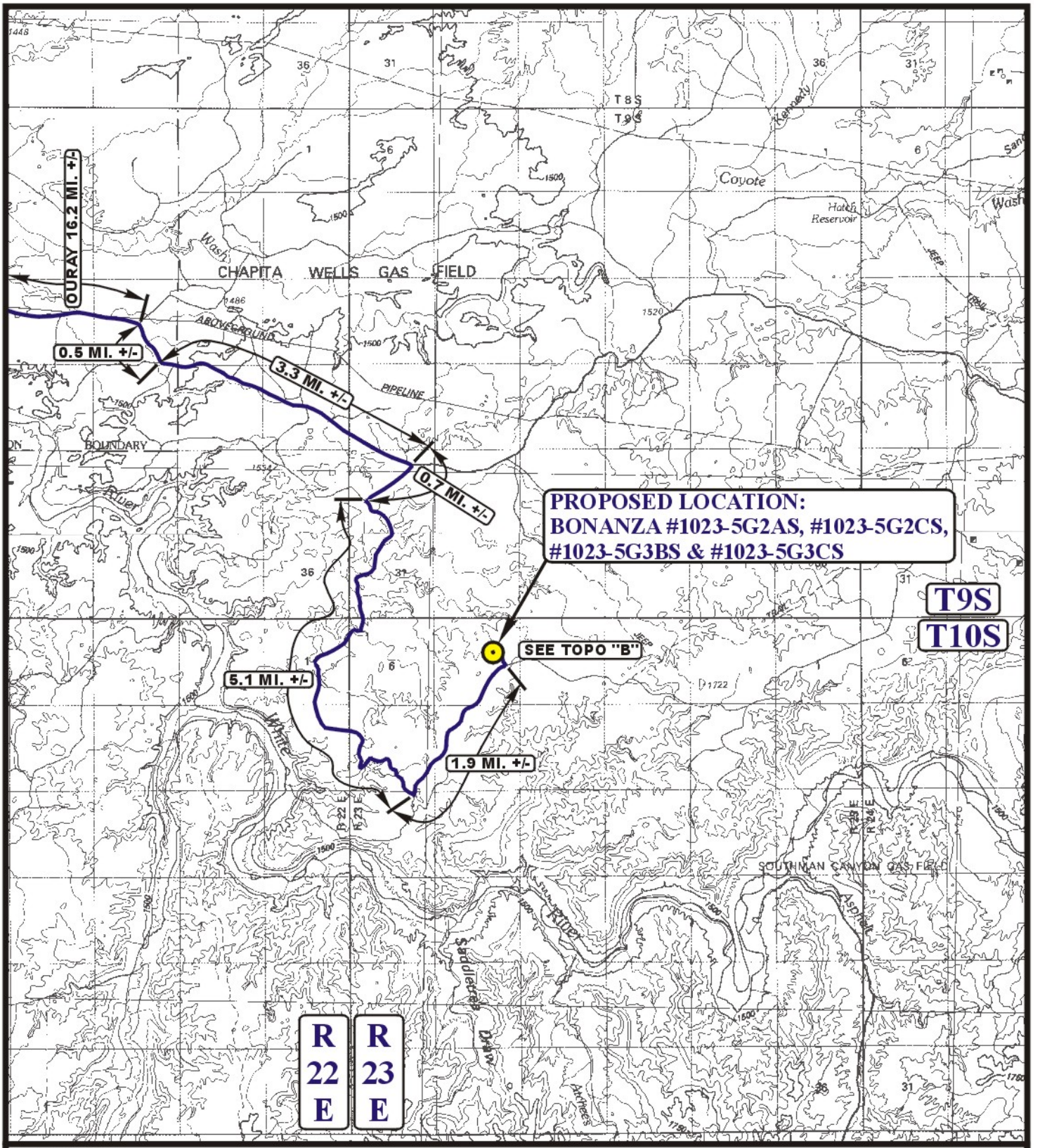
(6") Topsoil Stripping (New Construction Only) = 1,740 Cu. Yds.
Remaining Location = 8,810 Cu. Yds.

TOTAL CUT = 10,550 CU.YDS.
FILL = 2,270 CU.YDS.

EXCESS MATERIAL = 8,280 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 5,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 2,990 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

’APIWellNo:43047504870000’



LEGEND:

PROPOSED LOCATION

N

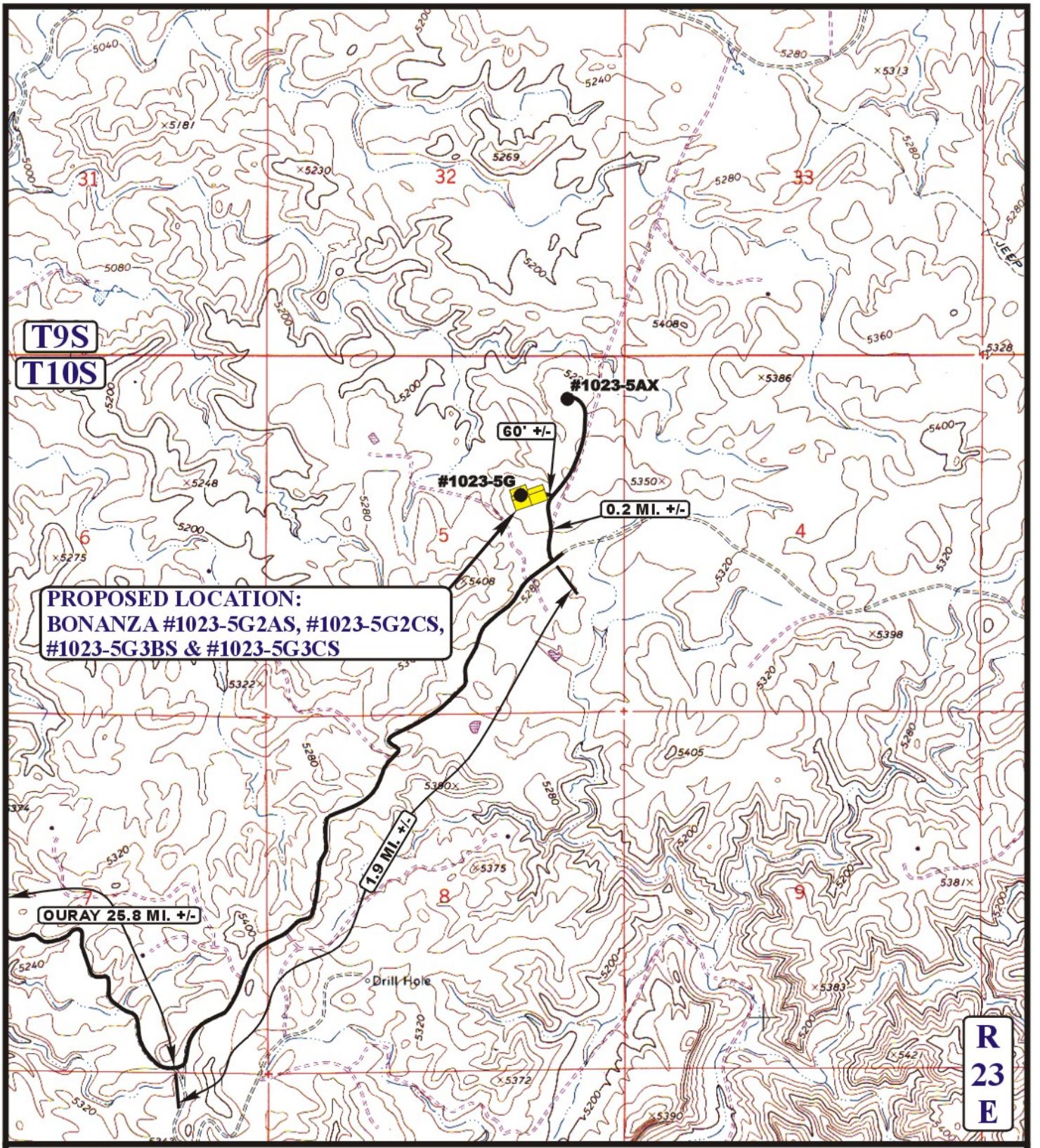
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5G2AS, #1023-G2CS,
#1023-5G3BS & #1023-5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.
SW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	10 MONTH	13 DAY	04 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: P.M.	REV: 12-24-08 J.J.		

'APIWellNo:43047504870000'



LEGEND:

EXISTING ROAD

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5G2AS, #1023-G2CS,
#1023-5G3BS & #1023-5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.
SW 1/4 NE 1/4

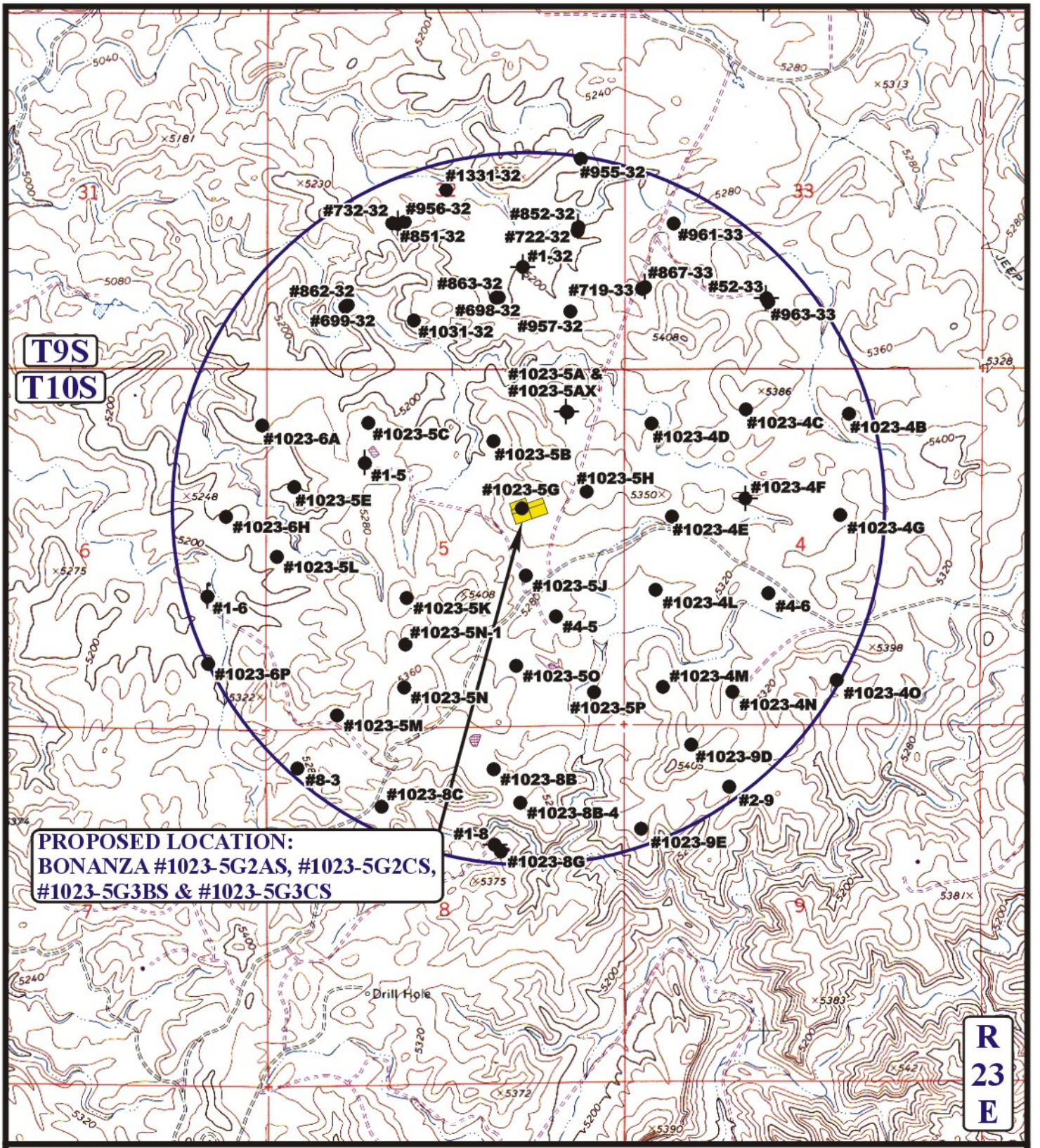
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 10 MONTH | 13 DAY | 04 YEAR

SCALE: 1" = 2000' | DRAWN BY: P.M. | REV: 12-24-08 J.J.

B TOPO

’APIWellNo:43047504870000’



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5G2AS, #1023-G2CS,
#1023-5G3BS & #1023-5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.
SW 1/4 NE 1/4

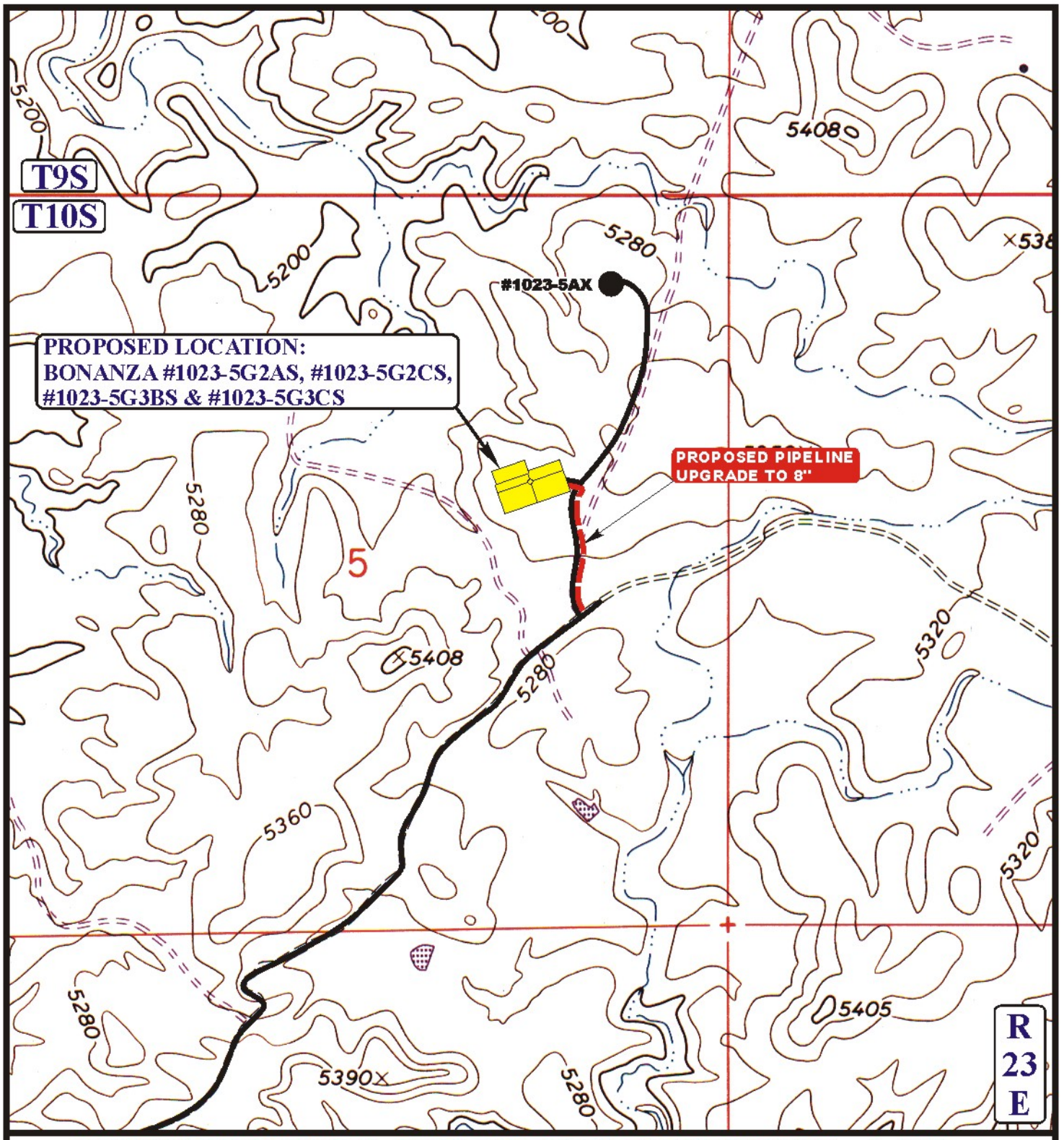
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 10 MONTH | 13 DAY | 04 YEAR

SCALE: 1" = 2000' | DRAWN BY: P.M. | REV: 12-24-08 J.J.

C TOPO

’APIWellNo:43047504870000’



APPROXIMATE TOTAL PIPELINE UPGRADE DISTANCE = 1,029' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE UPGRADE TO 6"

N

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-5G2AS, #1023-G2CS,
#1023-5G3BS & #1023-5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.
SW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 10 MONTH | 13 DAY | 04 YEAR | D TOPO

SCALE: 1" = 1000' | DRAWN BY: P.M. | REV: 02-05-09 C.C.

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-5G2AS, #1023-5G2CS, #1023-5G3BS & #1023-5G3CS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 5, T10S, R23E, S.L.B.&M.

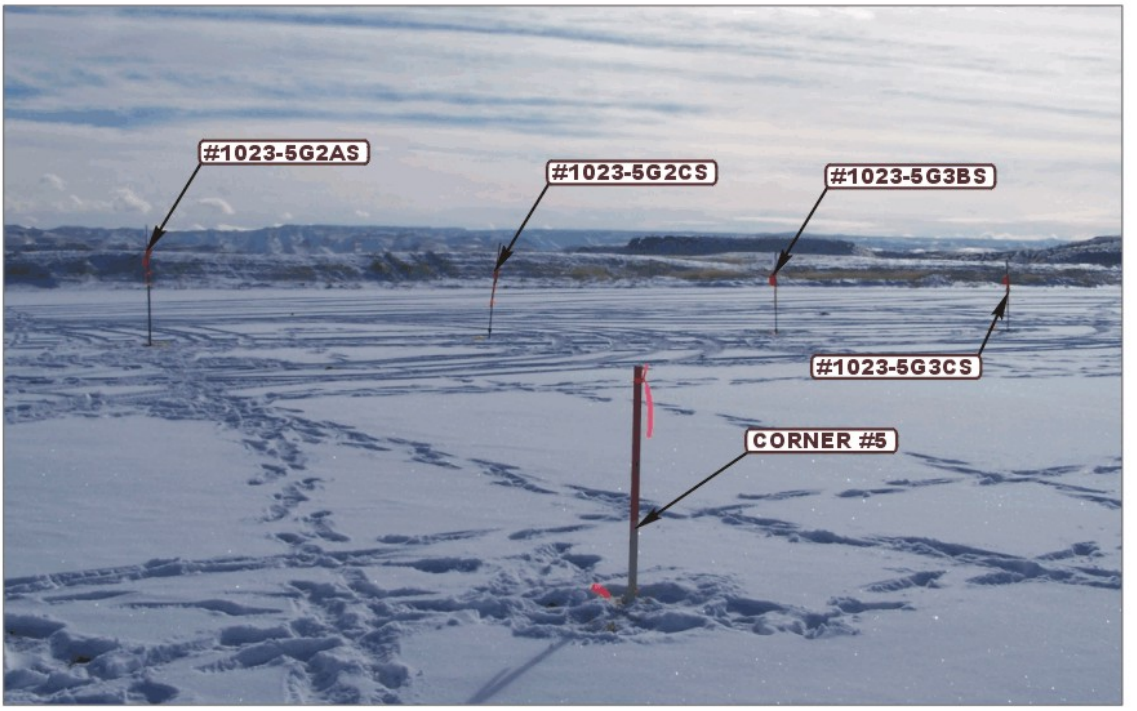


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: SOUTHERLY

PHOTO: VIEW OF EXISTING ACCESS — CAMERA ANGLE: NORTHWESTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	10 MONTH	13 DAY	04 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: P.M.	REV: 12-24-08 J.J.		

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-5G2AS, #1023-5G2CS, #1023-5G3BS & #1023-5G3CS
SECTION 5, T10S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRCTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 60’ TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.9 MILES.

Bonanza 1023-5G2AS
Surface: 2,054' FNL, 1,424' FEL (SW/4NE/4)
BHL: 1,495' FNL 2,090' FEL (SW/4NE/4)

Bonanza 1023-5G2CS
Surface: 2,060' FNL, 1,442' FEL (SW/4NE/4)
BHL: 1,715' FNL 2,450' FEL (SW/4NE/4)

Bonanza 1023-5G3BS
Surface: 2,067' FNL, 1,461' FEL (SW/4NE/4)
BHL: 2,140' FNL 2,615' FEL (SW/4NE/4)

Bonanza 1023-5G3CS
Surface: 2,073' FNL, 1,480' FEL (SW/4NE/4)
BHL: 2,535' FNL 2,520' FEL (SW/4NE/4)

Pad: Bonanza 1023-5G
Sec. 5 T10S R23E

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN SUBMITTED WITH SITE-SPECIFIC INFORMATION

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted in January, 2009 showing the surface locations in SW/4 NE/4 of Section 5 T10S R23E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BLM-Vernal Field Office.

An on-site meeting was held on February 3, 2009. Present were:

- Verlyn Pindell, Dave Gordon, Scott Ackerman, Karl Wright – BLM;
- David Kay – Uintah Engineering & Land Surveying;
- Kolby Kay – 609 Consulting, LLC
- Tony Kazeck, Clay Einerson, Raleen White, Ramey Hoopes, Grizz Oleen, Charles Chase and Spencer Biddle – Kerr-McGee.

Directional Drilling:
In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

1. Existing Roads:

A) Refer to Topo Map A for directions to the location.
B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.
C) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

See MDP for additional details on road construction.
No new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing and Proposed Facilities:

See MDP for additional details on Existing and Proposed Facilities.

The following guidelines will apply if the well is productive.
Approximately ±1,029' of existing 4" pipeline needs to be upgraded to 8". Refer to Topo D for the existing pipeline. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place

5. Location and Type of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, Application number 53617. Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

See MDP for additional details on Source of Construction Materials.

7. Methods of Handling Waste Materials:

See MDP for additional details on Methods of Handling Waste Materials.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

8. Ancillary Facilities:
See MDP for additional details on Ancillary Facilities.

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)
See MDP for additional details on Well Site Layout.

All pits will be fenced according to the following minimum standards:

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

10. Plans for Reclamation of the Surface:
See MDP for additional details on Plans for Reclamation of the Surface.

11. Surface/Mineral Ownership:
United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Other Information:
See MDP for additional details on Other Information.

13. Lessee's or Operators' Representative & Certification:

Kathy Schneebeck Dulnoan
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6007

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720-929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Danielle Piernot

Danielle Piernot

June 8, 2009
Date

’APIWellNo:43047504870000’

CLASS I REVIEW OF KERR-MCGEE OIL AND GAS ONSHORE LP’S 43 PROPOSED WELL LOCATIONS (T10S, R23E, SECTIONS 5, 6, 7, 8, AND 10) UINTAH COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Kerr-McGee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-331

February 26, 2009

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

IPC #09-56

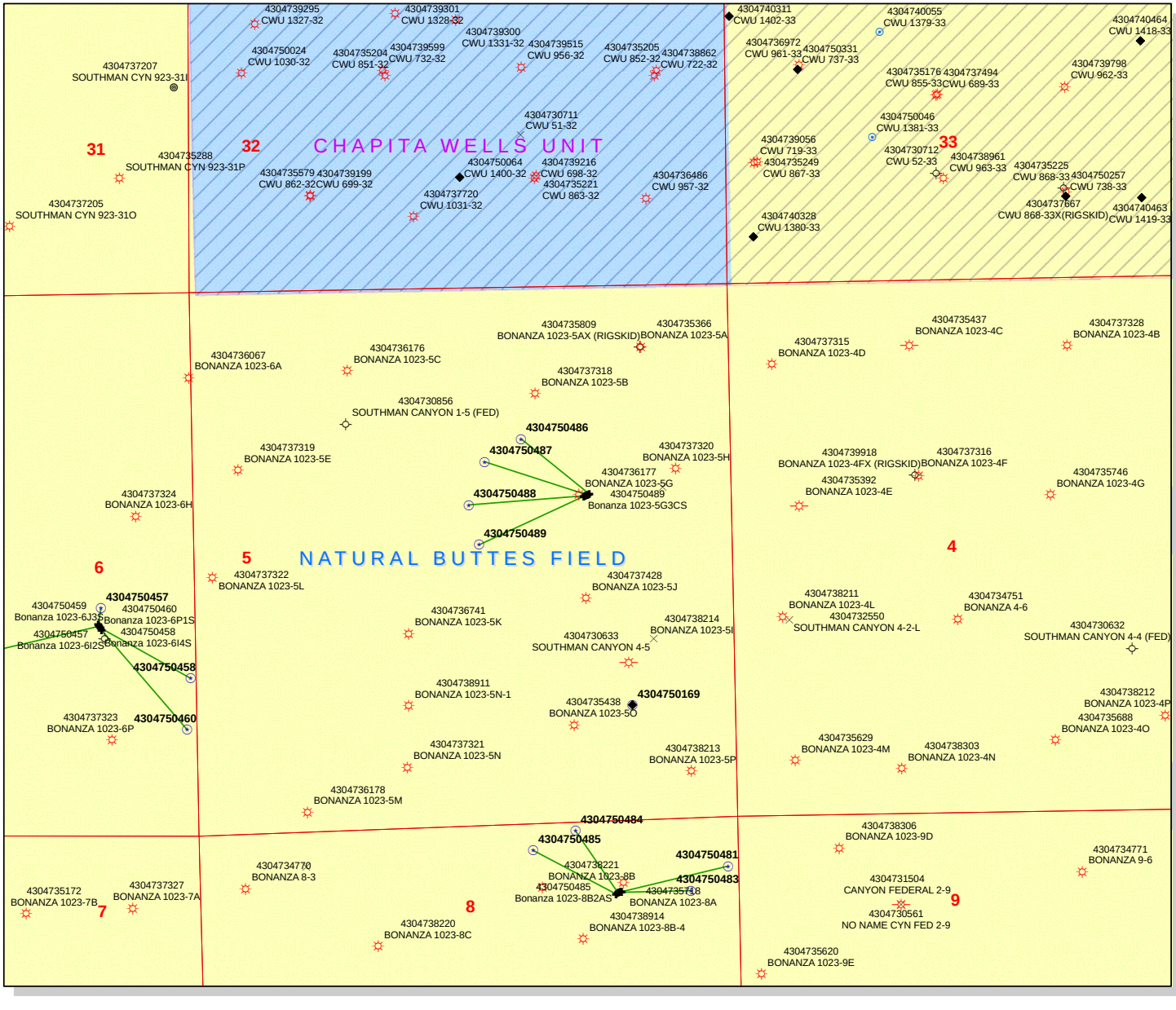
Paleontological Reconnaissance Survey Report

Survey of Kerr McGee's Proposed Onsite Changes "Bonanza #1023-5G2AS, G2CS, G3BS & G3CS and #1023-6P1S, I4S, J3S & I2S" (Sec. 5 & 6, T 10 S, R 23 E)

Asphalt Wash
Topographic Quadrangle
Uintah County, Utah

March 25, 2009

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078



API Number: 4304750487

Well Name: Bonanza 1023-5G2CS

Township 10.0 S Range 23.0 E Section 5

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
ACTIVE
COMBINED
Sections

Wells Query Events
<all other values>
GIS_STAT_TYPE
<Null>
APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS

1,200 600 0 1,200 Feet

1:12,000

'APIWellNo:43047504870000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/9/2009 **API NO. ASSIGNED:** 43047504870000

WELL NAME: Bonanza 1023-5G2CS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: SWNE 5 100S 230E **Permit Tech Review:** ☑

SURFACE: 2060 FNL 1442 FEL **Engineering Review:** ☑

BOTTOM: 1715 FNL 2450 FEL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.97966 **LONGITUDE:** -109.34580

UTM SURF EASTINGS: 641251.00 **NORTHINGS:** 4426600.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 33433 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☑ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: 179-14

Effective Date: 6/12/2008

Siting: 460' fr ext. drilling unit boundary

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 3 - Commingling - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Bonanza 1023-5G2CS
API Well Number: 43047504870000
Lease Number: UTU 33433
Surface Owner: FEDERAL
Approval Date: 6/17/2009

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:
In accordance with Board Cause No. 179-14, completion into and commingling of production from the Wasatch and Mesaverde formations is allowed.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:
Notify the Division within 24 hours of spudding the well.

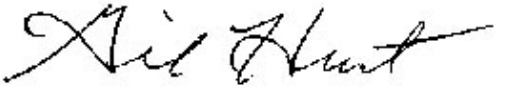
API Well No: 43047504870000

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.
- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

Reporting Requirements:
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED

JUN 10 2009

BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU33433

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

8. Lease Name and Well No.
BONANZA 1023-5G2CS

2. Name of Operator
KERRMCGEE OIL&GAS ONSHORE LP
Contact: DANIELLE E PIERNOT
Mail: Danielle.Piernot@anadarko.com

9. API Well No.
43-047-50487

3a. Address
PO BOX 173779
DENVER, CO 80202-3779

3b. Phone No. (include area code)
Ph: 720-929-6156
Fx: 720-929-7156

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SWNE 2060FNL 1442FEL 39.97959 N Lat, 109.34647 W Lon

At proposed prod. zone SWNE 1715FNL 2450FEL 39.98054 N Lat, 109.35006 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 5 T10S R23E Mer SLB

14. Distance in miles and direction from nearest town or post office*
APPROXIMATELY 30 MILES SOUTHEAST OF OURAY, UTAH

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1715 FEET

16. No. of Acres in Lease
1922.90

17. Spacing Unit dedicated to this well
321.18

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
APPROXIMATELY 360 FEET

19. Proposed Depth
8758 MD
8520 TVD

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KB, RT, GL, etc.
5319 GL

22. Approximate date work will start
06/30/2009

23. Estimated duration
60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
DANIELLE E PIERNOT Ph: 720-929-6156

Date
06/10/2009

Title
REGULATORY ANALYST

Approved by (Signature)
Stephanie J Howard

Name (Printed/Typed)
Stephanie J Howard

Date
12/4/09

Title
Acting Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

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DEC 14 2009
DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

Electronic Submission #70718 verified by the BLM Well Information System
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal
Committed to AFMSS for processing by GAIL JENKINS on 06/10/2009 ()

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

09SX0489A NOS: 01-30-2009

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore**	**Location:**	**SWNE, Sec. 5, T10S, R23E**
Well No:	**Bonanza 1023-5G2CS**	**Lease No:**	**UTU-33433**
API No:	**43-047-50487**	**Agreement:**	**N/A**

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OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 2/5/2007. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 2/5/2012 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1:0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

- The following seed mix will be used for Interim Reclamation

Interim Reclamation seed mix

Ephraim crested wheatgrass	*Agropyron cristatum v. Epharim*	1 lbs. /acre
bottlebrush squirreltail	*Elymus elymoides*	1 lbs. /acre
Siberian wheatgrass	*Agropyron fragile*	1 lbs. /acre
western wheatgrass	*Agropyron smithii*	1 lbs. /acre
scarlet globemallow	*Spaeralcea coccinea*	1 lbs. /acre
shadscale	*Atriplex confertifolia*	2 lbs. /acre
fourwing saltbush	*Atriplex canescens*	2 lbs. /acre

Seed shall be applied with a rangeland drill, unless topography and /or rockiness precludes the use of equipment. See shall be applied between August 15 and ground freezing. All see rates are in terms of Pure Live Seed. Operator shall notify the Authorized Officer when seeding has commenced, and shall retain all seed tags.

- The existing topsoil pile will moved and added to the new topsoil pile.

- The operator will control noxious weeds along the well pad, access road, and the pipeline route by spraying or mechanical removal. On BLM administered land, a Pesticide Use Proposal (PUP) will be submitted and approved prior to the application of herbicides or pesticides or possibly hazardous chemicals.

- As agreed upon on the onsite the pit will be lined with double felt.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- A Gama Ray Log shall be run from TD to surface.

Variances Granted:

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

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DEC 14 2009
DIV. OF OIL, GAS & MINING

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L. P.**

Well Name: **BONANZA 1023-5G2CS**

Api No: **43-047-50487** Lease Type: **FEDERAL**

Section **05** Township **10S** Range **23E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **01/18/2010**

Time **1:00 PM**

How **DRY**

Drilling will Commence:

Reported by **JAMES GOBER**

Telephone # **(435) 828-7024**

Date **01/19//2010** **Signed** **CHD**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750489	BONANZA 1023-5G3CS		SWNE	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	17460	1/18/2010			1/28/10	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 1/18/2010 AT 8:30 HRS. BHL = SWNE

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750488	BONANZA 1023-5G3BS		SWNE	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	17461	1/18/2010			1/28/10	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 1/18/2010 AT 10:30 HRS. BHL = SWNE

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750487	BONANZA 1023-5G2CS		SWNE	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	17462	1/18/2010			1/28/10	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 1/18/2010 AT 13:00 HRS. BHL = SWNE

ACTION CODES:
- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

RECEIVED
JAN 21 2010
DIV. OF OIL, GAS & MINING

ANDY LYTLE
Name (Please Print)
Signature
REGULATORY ANALYST
Title
1/21/2010
Date

(5/2000)

API Well No: 43047504870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/25/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change surface csg dep

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP (Kerr-McGee) respectfully requests to change the surface casing depth on this well to approximately 300' below the Bird's Nest formation. This is the typical depth of surface casing for other wells in this area. The surface casing change will be FROM: 2,260' TO: 1,900'. Attached, please find the revised drilling program with relevant updated data for this depth of surface casing. Please contact the undersigned if you have questions and/or require additional information. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: January 25, 2010

By:

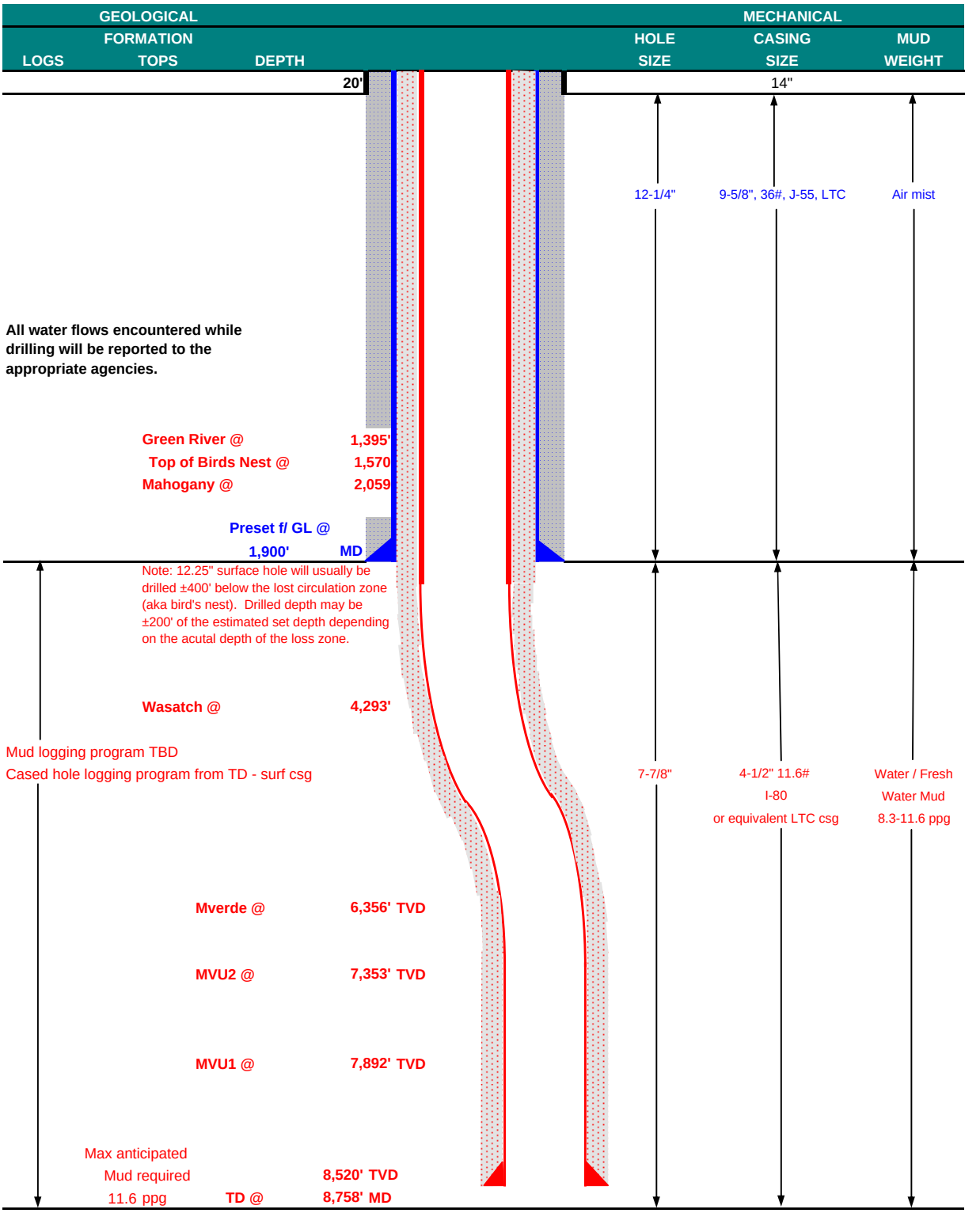
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kathy Schneebeck-Dulnoan	720 929-6007	Staff Regulatory Analyst
SIGNATURE N/A		**DATE** 1/25/2010

RECEIVED January 25, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	January 22, 2010
WELL NAME	**Bonanza 1023-5G2CS**			TD	8,520' TVD 8,758' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	FINISHED ELEVATION	5,319'
SURFACE LOCATION	SW/4 NE/4	2,060' FNL	1,442' FEL	Sec 5	T 10S	R 23E
	Latitude:	39.979592	Longitude:	-109.346467		NAD 83
BTM HOLE LOCATION	SW/4 NE/4	1,715' FNL	2,450' FEL	Sec 5	T 10S	R 23E
	Latitude:	39.980536	Longitude:	-109.350650		NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde					
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.					



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,520	2,020	453,000
SURFACE	9-5/8"	0	to	1,900	36.00	J-55	LTC	1.05	2.27	8.43
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	8,758	11.60	I-80	LTC	2.38	1.24	2.27

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,168 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,184 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,400'	65/35 Poz + 6% Gel + 10 pps gilsonite	330	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,788'	Premium Lite II + 3% KCl + 0.25 pps	360	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,970'	50/50 Poz/G + 10% salt + 2% gel	1,220	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

API Well No: 43047504870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 1/26/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 1/24/2010. DRILLED 12-1/4" SURFACE HOLE TO 1967'. RAN 9-5/8" 36# J-55 SURFACE CSG. TEST LINES TO 2000 PSI, PUMP 120 BBLS H20 GEL WATER. PUMP 225 SX CLASS G PREM LITE TAIL CMT @ 15.8 PPG, 1.15 YIELD. DROP PLUG ON FLY AND DISPLACE W/145 BBLS FRESH WATER, 50 PSI OF LIFT. NO RETURNS, BUMP PLUG W/400 PSI FLOAT HELD. TOP OUT W/100 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD. WAIT 2 HRS AND PUMP 225 SX SAME CMT. NO RETURNS TO SURFACE. WILL READY MIX W/PETE MARTIN APPR 3.5 YARDS OF READY MIX TO SURFACE. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 27, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/27/2010

RECEIVED January 27, 2010

API Well No: 43047504870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/12/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the tail cement for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 11, 2010

By: Dark K Quist

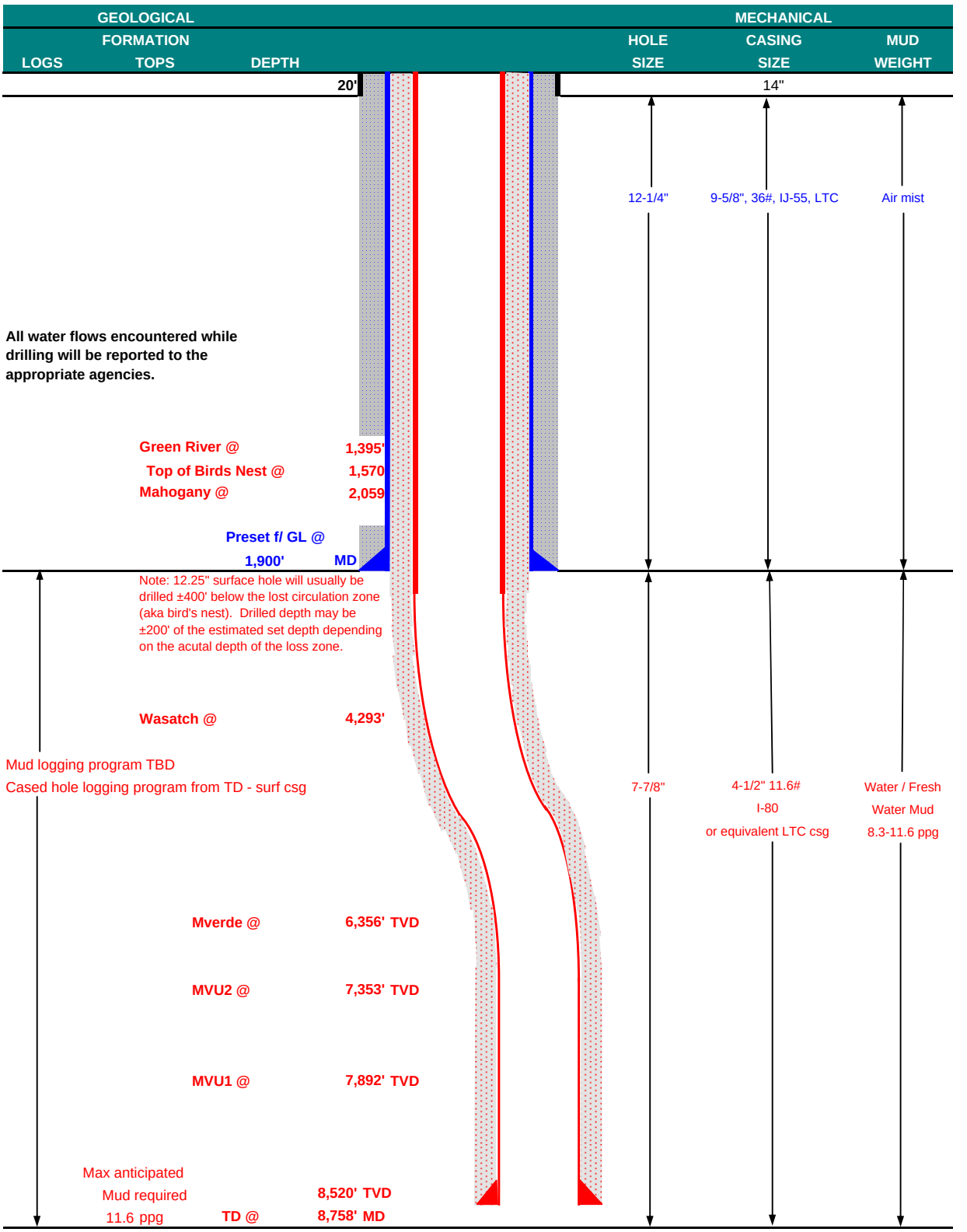
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/10/2010

RECEIVED February 10, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	February 10, 2010	
WELL NAME	**Bonanza 1023-5G2CS**		TD	8,520' TVD	8,758' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,319'
SURFACE LOCATION	SW/4 NE/4	2,060' FNL	1,442' FEL	Sec 5	T 10S R 23E
	Latitude:	39.979592	Longitude:	-109.346467	NAD 83
BTM HOLE LOCATION	SW/4 NE/4	1,715' FNL	2,450' FEL	Sec 5	T 10S R 23E
	Latitude:	39.980536	Longitude:	-109.350650	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 1,900	36.00	IJ-55	LTC	1.05	2.27	8.43
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8,758	11.60	I-80	LTC	2.38	1.24	2.27

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,168 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,184 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,400'	65/35 Poz + 6% Gel + 10 pps gilsonite	330	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	5,848'	Premium Lite II + 3% KCl + 0.25 pps	550	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	2,910'	50/50 Poz/G + 10% salt + 2% gel	720	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

API Well No: 43047504870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 3/8/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1967' TO 8725' ON 3/6/2010. RAN 4 1/2" 11.6 I-80 PRODUCTION CASING. LEAD CEMENT W/ 850 SX OF CLASS G PREMIUM LITE @ 12.2 PPG, 2.08 YIELD. TAILED CEMENT W/ 570 SX OF CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.25 YIELD. DROP PLUG AND DISPLACE W/ 135 BBLS WATER. PUMP PLUG 500 OVER FINAL CIRC PSI OF 2321. FLOATS HELD AND FULL RETURNS DURING JOB. 20 BBLS CEMENT TO PIT. CLEAN MUD TANKS. RELEASED ENSIGN 139 RIG @ 10:00 HOURS ON 03/07/2010.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 08, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Gianakos	307 752-1169	Regulatory Affairs Supervisor
SIGNATURE N/A		**DATE** 3/8/2010

RECEIVED March 08, 2010

API Well No: 43047504870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

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4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 08, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Gianakos	307 752-1169	Regulatory Affairs Supervisor
SIGNATURE N/A		**DATE** 3/8/2010

RECEIVED March 08, 2010

API Well No: 43047504870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

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4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 5 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
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	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 4/18/2010	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 4/18/2010 AT 12:00 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

April 20, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/19/2010

RECEIVED April 19, 2010

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU33433

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: ANDY LYTLE Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. BONANZA 1023-5G2CS

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 43-047-50487

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNE 2060FNL 1442FEL 39.97959 N Lat, 109.34647 W Lon

BHL reviewed by HSM

At top prod interval reported below SWNE 1722FNL 2459FEL

At total depth SWNE 1729FNL 2427FEL

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 5 T10S R23E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 01/18/2010

15. Date T.D. Reached 03/06/2010

16. Date Completed ☐ D & A ☒ Ready to Prod. 04/18/2010

17. Elevations (DF, KB, RT, GL)* 5319 GL

18. Total Depth: MD 8725 TVD 8560

19. Plug Back T.D.: MD 8653 TVD 8488

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CHI TRIPLE COMBO-GR/CCL-ACOUSTIC CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.000	9.625 J55	36.0		1951		650			
7.875	4.500 I80	11.6		8697		1420			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8140							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	MESAVERDE	6992	8632	6992 TO 8632	0.360	256	OPEN
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6992 TO 8632	PMP 9,235 BBLS SLICK H20 & 352,626 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/18/2010	04/21/2010	24	→	0.0	1038.0	624.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	1425	2475.0	→	0	1038	624		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #86660 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED
MAY 27 2010
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1198				
MAHOGANY	1964				
WASATCH	4417	6365			
MESAVERDE	6365	8725	TD		

32. Additional remarks (include plugging procedure):
ATTACHED IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #86660 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name *(please print)* ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 05/18/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: ENSIGN 139/139, PROPETRO/
Event: DRILLING	Start Date: 12/30/2009	End Date: 3/7/2010
Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/24/2010	17:30 - 22:30	5.00	DRLSUR	01	B	P		DRESS COND,INSTALL AIR BOWL,BLOOY LINE, RIG UP, BUILD DITCHES,R/U PUMPSPRIME PUMPS COMP,BOOSTER P/U MM SERIAL # 8037 .16 W/ 1.83 BEND , 12 1/4 HC 507Z 3RD RUN SERIAL # 8337
	22:30 - 0:00	1.50	DRLSUR	02	B	P		SPUD SURFACE HOLE @ 22:30 1-24-2010, DRLG W / MWD F/ 44' TO 150'
1/25/2010	0:00 - 2:00	2.00	DRLSUR	06	A	P		L/D 6" P/U AND SCRIBE DIR TOOLS
	2:00 - 18:30	16.50	DRLSUR	02	B	P		DRLG W/ MWD F/ 150' TO 1967' T. D.(1817') 110' HR WOB=20,RPM=60,MM RPM=105,PP OFF/ON=1320/1140,UP/DWN/ROT=64/64/64-LOSS ZONE @ 1540' SLIOW PUMP RATE TO 300 GPM TO MAINTAIN PIT VOLUME
	18:30 - 19:30	1.00	DRLSUR	05	C	P		CIRC TO LDDS
	19:30 - 21:30	2.00	DRLSUR	06		P		LDDS
	21:30 - 0:00	2.50	DRLSUR	08	A	Z		RUPTURED HYDROLIC LINE AND HOSE GOING TO BRK OUT TONG, WAIT ON SAME
1/26/2010	0:00 - 2:00	2.00	DRLSUR	06	D	P		REPLACE HYDROLIC HOSE, FINISH L/D BHA
	2:00 - 5:30	3.50	DRLSUR	12	C	P		RUN 45 JOINTS 9 5/8 36# J-55 CSNG SHOE @ 1941.88' BAFFLE IN TOP OF SHOE JOINT @1894.68 , FILL CSNG @ 900' RELEASE RIG TO THE BONANZA 1023-5G2AS 1-26-2010 @ 05:30
	5:30 -		DRLSUR	12	E	P		HELD SAETY MTNG W/ CEMENTERS, PRESS TEST LINES TO 2000 PSI, PUMP 120 BBLS H20 GEL WATER,PUMP 225 SX 15.8# 1.15 YLD 5 GAL SK TAIL CMNT DROP PLUG ON FLY DISP W/ 145 BBLSFRESH WATER, 50 PSI LIFT NO RETURNS BUMP PLUG W/ 400 PSI, FLOAT HELD, TOP OUT W/ 100 SX 15.8# 1.15 YLD 5 GAL SK 4 % CALC CMNT WAIT 2 HRS, PUMP 100 SX SAME CMNT, WAIT 2 HRS, PUMP 225 SX SAME CMNT, NO RETURNS TO SURFACE, WILL READY MIX W/ PETE MARTIN APPR 3.5 YARDS OF READY MIX TO SURFACE
3/1/2010	3:00 - 6:00	3.00	MIRU	01	C	P		SKID RIG,RURT
	6:00 - 7:00	1.00	PRPSPD	14	A	P		NUBOP,ROTATING HEAD,FLOWLINE
	7:00 - 7:30	0.50	PRPSPD	07	A	P		REPLACE SAVOR SUB ON TOP DRIVE
	7:30 - 12:30	5.00	PRPSPD	15	A	P		TEST RAMS,CHOKE,MANIFOLD,KILL LINE TO 5K,ANNULAR 2.5K,CSG TO 1.5K,250 LOWS
	12:30 - 13:00	0.50	PRPSPD	14	B	P		INSTALL WEARRING
	13:00 - 15:30	2.50	PRPSPD	06	A	P		P/U BHA#1,SCRIBE DIR TOOLS,TIH TO1851
	15:30 - 16:30	1.00	PRPSPD	02	F	P		DRILL CEMENT &FE TO 1977'
	16:30 - 0:00	7.50	DRLPRO	02	D	P		SPUD NEW 7.875 HOLE 16:30 3/1/2010 DIR DRILL F/1977 TO 2600,AVG83 ,WOB 15-18,GPM 500,DIFF300,PSI 1200,TORQ 5K,RPM 170,STWT 85-80-78,8.3/27
3/2/2010	0:00 - 14:30	14.50	DRLPRO	02	D	P		DIR DRILL F/2600 TO 3940,AVG 92 ,WOB 15-18,GPM 500,DIFF300,PSI 1200,TORQ 5K,RPM 170,STWT 85-80-78,8.3/27
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 0:00	9.00		02	D	P		DIR DRILL F/3940 TO4650,AVG 79 ,WOB 18,GPM 500,DIFF300,PSI 1200,TORQ 8K,RPM 170,STWT 150-135-125,8.3/

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: ENSIGN 139/139, PROPETRO/
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Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/3/2010	0:00 - 14:30	14.50	DRLPRO	02	D	P		DIR DRILL F/ 4650 TO 6022 - 1372' AVG @ 94.6 FPH ,WOB 18,GPM 500, TORQ 8K - MRPM 116 - RPM 50
	14:30 - 15:00	0.50	DRLPRO	07	A	P		SER RIG
	15:00 - 0:00	9.00	DRLPRO	02	D	P		DIR DRILL F/ 6022 TO 6695 - 673' - @ 74.7 FPH - WOB 18/20 - TQ 8/12 - GPM 500 - MRPM 116 - RPM 50.
3/4/2010	0:00 - 12:30	12.50	DRLPRO	02	D	P		DIR DRILL F/ 6695 TO 7471 - 776' @ 62.08 FPH W/ 11.0 PPG MUD - RPM 45 - MRPM 111 - WOB 18/21 - TQ 14/10 - GPM 479
	12:30 - 13:00	0.50	DRLPRO	07	A	P		SER RIG
	13:00 - 0:00	11.00	DRLPRO	02	D	P		DIR DRILL F/ 7471 TO 7901 - 430' @ 39.0 FPH W/ 11.5 PPG MUD WT - RPM 45 - MRPM 111 - WOB 18/21 - TQ 14/10 - GPM 479 (LOST 40 BBLS MUD @ 7560 11.7 PPG RAISE LCM 2%)
3/5/2010	0:00 - 10:00	10.00	DRLPRO	02	D	P		DIR DRILL F/ 7901 TO 8264 - 363' @ 36.3 FPH W/ 11.9 PPG MUD WT VIS 45 - WOB 18/22 - TQ 14/10 - GPM 479
	10:00 - 17:30	7.50	DRLPRO	06	A	P		T.F.N.B - PULL FIRST STAND W/ PUMPS & 5 STAND WITHOUT PUMP DRY JOB T.O.H (TIGHT SPOT @ 6372) & L/D DIR TOOLS
	17:30 - 23:30	6.00	DRLPRO	06	A	P		C/O BIT & MOTOR & P/U MONEL & T.I.H
	23:30 - 0:00	0.50	DRLPRO	03	E	P		WASH 90' TO BTM (NO FILL)
3/6/2010	0:00 - 7:30	7.50	DRLPRO	02	D	P		DRILL F/ 8264 TO 8725 - 461' @ 61.4 FP W/ 12.0 PPG MUD WT - WOB 15/18 - TQ 14/10 - GPM 470
	7:30 - 8:30	1.00	DRLPRO	05	A	P		CIRC BTM UP
	8:30 - 9:30	1.00	DRLPRO	06	E	P		SHORT TRIP 10 STANDS
	9:30 - 10:30	1.00	DRLPRO	05	A	P		CIRC BTM UP
	10:30 - 18:00	7.50	DRLPRO	06	D	P		T.O.H F/ CASING
	18:00 - 18:30	0.50	DRLPRO	14	B	P		PULL WEAR BUSHING
	18:30 - 0:00	5.50	DRLPRO	12	C	P		HELD SM & R/U FRANKS CSG RUN 206 JTS PLUS MARKER SHOE @ 8697 - FC @ 8654.84
3/7/2010	0:00 - 2:00	2.00	DRLPRO	12	C	P		RUN PROD CASING -
	2:00 - 3:00	1.00	DRLPRO	05	D	P		CIRC BTM UP
	3:00 - 5:30	2.50	DRLPRO	12	E	P		HELD S/M W/ HALLIBURTON & CEMENT W/ 40 BBLS WATER - LEAD 850 SKS 12.3 PPG YIELD 2.08 F/ TAIL 570 SKS 14.3 PPG YIELD 1.25 - DROP PLUG DISPLACED W/ 135 BBLS WATER & BUMP PLUG 500 OVER FINAL CIRC PSI OF 2321 - FLOATS HELD & FULL RETURNS DURING JOB & GOT BACK 20 BBLS CEMENT TO PIT.
	5:30 - 10:00	4.50	DRLPRO	14	B	P		LAND CASING & SET PACK OFF & N/U B.O.P'S & CLEAN MUD TANKS & RELEASED RIG @ 10:00 ON 03/07/2010

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD		Rig Name No: ENSIGN 139/139, PROPETRO/
Event: DRILLING	Start Date: 12/30/2009		End Date: 3/7/2010
Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:00 - 10:00	0.00	DRLPRO					NOTES: 1. All depths entered are to be from KB of the rig doing the work 2. Copy and paste the below information into the last daily operations report in the time summary following all daily information. Enter a new row with th "from/to" time the same as the previous "to" time so nc additional time is added to the time. CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used: SPUD DATE/TIME: 1/24/2010 22:30 SURFACE HOLE: Surface From depth:10 Surface To depth: 1,977 Total SURFACE hours: 18.00 Surface Casing size:9 5/8 # of casing joints ran: 45 Casing set MD:1,951.0 # sx of cement:650 Cement blend (ppg:)15.8 Cement yield (ft3/sk): 1.15 # of bbls to surface: 0.5 Describe cement issues: 2 TOPOUTS,REDI MIX 3.5 YRDS TO SURFACE Describe hole issues: PRODUCTION: Rig Move/Skid start date/time: 3/1/2010 3:00 Rig Move/Skid finish date/time3/1/2010 6:00 Total MOVE hours: 3.0 Prod Rig Spud date/time: 3/1/2010 16:30 Rig Release date/time: 3/7/2010 10:00 Total SPUD to RR hours: 137.5 Planned depth MD 8,710 Planned depth TVD 8,550 Actual MD: 8,725 Actual TVD: 8,565 Open Wells $: $624,223 AFE $: $643,255 Open wells $/ft:$71.54 PRODUCTION HOLE: Prod. From depth: 1,977 Prod. To depth:8,725 Total PROD hours: 95.5 Production Casing size: 4 1/2 # of casing joints ran: 208 Casing set MD:8,711.0 # sx of cement:1,420 Cement blend (ppg:)LEAD 12.4 - 10% TAIL 14.3 - 20% Cement yield (ft3/sk): 2.08 1.25 Est. TOC (Lead & Tail) or 2 Stage : 6008 Describe cement issues: 20 BBLS CEMENT TO PIT Describe hole issues: NONE DIRECTIONAL INFO: KOP: 2,070 Max angle: 23.13 Departure: 1073.04

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD		Rig Name No: ENSIGN 139/139, PROPETRO/
Event: DRILLING	Start Date: 12/30/2009		End Date: 3/7/2010
Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								Max dogleg MD: 4.23

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No:
Event: COMPLETION	Start Date: 4/12/2010	End Date:
Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/9/2010	16:00 - 17:30	1.50	COMP	37	B	P		(PERF STG #1) RIH W/ PERF GUN, PERF THE MESAVERDE @ 8626' - 8632', 8530' - 8534', 4-SFP, USING 3 1/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 120* PHS 40 HOLES,

4/12/2010	8:00 - 14:00	6.00	COMP	36	E	P		(STG #1) WHP = 724#, BRK DN PERF @ 2885 # @ 6 B/M, INJ-RT = 52 B/M, INJ-P = 4700 #, ISIP = 2450 #, F.G.= 0.72 , PUMP 3 BBLS HCL AHEAD OF INJ, CALC ALL PERF OPEN, PUMP 4264 BBLS SLK WTR & 161708 # OTTAWA SAND, ISIP = 2337 #, F.G. = 0.71 , NPI = -113 #, MP = 6558 #, MR = 54.3 B/M, AP[= 4350 #, AR = 52.5 B/M, 156708 # 30/50 SAND, 5000 # TLC SAND, COMMENTS = LOST PRIME ,
								
								(STG#2) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 8402 ', PERF THE MESAVERDE @ 8368' - 8372' 3-SPF, 8308' - 8312 4-SPF, 8180' - 8184' 4-SPF, USING 3 1/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 44 HOLES, WHP = 2161 #,
								BRK DN PERF @ 2726 # @ 6 B/M, INJ-RT = 53 B/M, INJ-P = 4330 #, ISIP = 2402 #, F.G.0.72 , CALC ALL PERF OPEN, PUMP BBLS SLK WTR & # OTTAWA SAND, ISIP = #, F.G.= , NPI = #, MP = #, MR = B/M, AP = #, AR = B/M, # 30/50 SAND, # TLC SAND,
								COMMENTS = ,
								
								(STG #3) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 8030 ', PERF THE MESAVERDE @ 7996' - 8000', 7966' - 7968', 7930 - 7932', 7870' - 7872', 4-SPF, USING 3 1/8" SCALLOP GUNS 23 gm, 0.36 HOLE, 120* PHS, 40 HOLES, WHP = #,

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD		Rig Name No:
Event: COMPLETION	Start Date: 4/12/2010		End Date:
Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

4/13/2010	7:10 - 15:30	8.33	COMP	36	E	P		(STG #3) WHP = 1800 #,
								BRK DN PERF @ 4115 # @ 4 B/M, INJ-RT = 51 B/M, INJ-P = 4260 #, ISIP = 2637 #, F.G.= 0.77 , CALC ALL PERF OPEN, PUMP 1048 BBLS SLK WTR & 40583 # OTTAWA SAND, ISIP = 2361#, F.G.= 0.73 , NPI = -276 #, MP = 5440 #, MR = 52.6 B/M, AP = 397! #, AR = 51.5 B/M,
								35583 # OTTAWA SAND, 5000 # TLC SAND,
								COMMENTS = GOOD JOB
								
								(STG #4) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 7834 ', PERF THE MESAVERDE @ 7800' - 7804' 3-SPF, 7636' - 7640 4-SPF, 7578' - 7582'4-SPF, USING 3 1/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 44 HOLES, WHP = 300 #,
								BRK DN PERF @ 3377# @ 5.6 B/M, INJ-RT = 52.5 B/M, INJ-P = 4850#, ISIP = 2319 #, F.G.= 0.73 , CALC ALL PERF OPEN, PUMP 1831 BBLS SLK WTR & 29956 # OTTAWA SAND, ISIP = 1831 #, F.G. = 0.67 , NPI = -488 #, MP = 4910 #, MR = 53.3 B/M, AP = 368! #, AR = 52 B/M, 24956 # 30/50 SAND, 5000 # TLC SAND.
								COMMENTS = LOST PRIME
								
								(STG #5) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 7534', PERF THE MESAVERDE @ 7502' - 7504' 4-SPF, 7484' - 7488' 4-SPF, 7414' - 7416' 4-SPFG, 7354' - 7356' 3-SPF, 7337' - 7339' USING 3 1/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 44 HOLES, WHP = 1255 #,
								BRK DN PERF @ 2308 # @ 6.4 B/M, INJ-RT = 51 B/M, INJ-P = 3900 #, ISIP = 1678 #, F.G.= 0.66 , CALC 93% PERF OPEN, PUMP 793 BBLS SLK WTR & 29227 # OTTAWA SAND, ISIP = 1996 #, F.G. = 0.70 , NPI = 318 #, MP = 5140 #, MR = 51.8 B/M, AP = 3580 #, AR = 51 B/M, 24227 # 30/50 SAND 5000 # TLC SAND.
								COMMENTS = GOOD JOB
								
								(STG # 6) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 7282', PERF THE MESAVERDE @ 7248' - 7252' 4-SPF, 7142' - 7144' 3-SPF, 7060' - 7062' 3-SPF, 6992' - 6996' 4-SPF, USING 3 1/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 44 HOLES, WHP = 94 #,
								BRK DN PERF @ 3061 # @ 6.8 B/M, INJ-RT = 51 B/M, INJ-P = 4400 # , ISIP = 1489 #, F.G.= 0.64 , CALC 74% PERF OPEN, PUMP 765 BBLS SLK WTR & 28666 # OTTAWA SAND, ISIP = 2019 #, F.G. = 0.72 , NPI = 530 #, MP = 5763 #, MR = 51.4 B/M AP = 3580 #, AR = 50.9 B/M, 23666 # 30/50 SAND, 5000 # TLC SAND.
								COMMENTS = GOOD JOB
								
								(KILL PLUG) RIH W/ HALLIBURTON 8K CBP, SET CBP @ 6942', R/D WIRELINE AND FRAC CREW OFF WELL, SWI,
								
								TOTAL WTR = 9235 BBLS SLK WTR
								TOTAL SAND = 352626 # OTTAWA SAND

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No:
Event: COMPLETION	Start Date: 4/12/2010	End Date:
Active Datum: RKB @5,333.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/15/2010	13:30 - 15:00	1.50	COMP	30	A	P		MOVE OVER F/ BON 1023-5G2AS & RIG UP. ND FRAC VALVES, NU BOPS. RU FLOOR & TBG EQUIP.
	15:00 - 19:00	4.00	COMP	31	I	P		TALLY & PU 37/8 SEALED BEARING BIT, POBS, 1.875 X/N & 216 JTS 23/8 L-80 OFF FLOAT. EOT @ 6840' SWI SDFN.
4/16/2010	7:00 - 17:00	10.00	COMP	44	C	P		BROKE CIRC CONVENTIONAL, TEAT BOPS TO 3,000# PSI RIH. C/O 27' SAND TAG 1ST PLUG @ 6950' DRILL PLG IN 3 MIN 200# INCREASE RIH. C/O 30' SAND TAG 2ND PLUG @ 7282' DRILL PLG IN 2 MIN 300# INCREASE RIH. C/O 30' SAND TAG 3RD PLUG @ 7534' DRILL PLG IN 2 MIN 200# INCREASE RIH. C/O 30' SAND TAG 4TH PLUG @ 7834' DRILL PLG IN 3 MIN 300# INCREASE RIH. C/O 30' SAND TAG 5TH PLUG @ 8040' DRILL PLG IN 3 MIN 500# INCREASE RIH. C/O 30' SAND TAG 6TH PLUG @ 8402' DRILL PLG IN 4 MIN 200# INCREASE RIH. C/O TO PBTD @ 8670' CIR CLEAN, L/D 17 JTS, LAND TBG ON 257 JTS, ND BOPS NU WH PMP OFF BIT, LET WELL SET FOR 30 MIN FOR BIT TO FALL. TURN WELL OVER TO FB CREW. KB = 13' 257 JTS 23/8 L-80 = 8124.33' POBS & 1.875 X/N = 2.20' EOT @ 8140.36' 315 JTS HAULED OUT 257 LANDED 58 TO RETURN TWTR = 9435 BBLS TWR = 1000 BBLS TWLTR = 8435 BBLS
	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ SWIVEL
4/17/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2300#, TP 1500#, 20/64" CK, 54 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 2308 BBLS LEFT TO RECOVER: 7127
4/18/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2825#, TP 1525#, 20/64" CK, 43 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3418 BBLS LEFT TO RECOVER: 6017
	12:00 -		PROD	50				WELL TURNED TO SALES @ 1200 ON 4/18/10 - 400 MCF, 1224 BWPF, CP 2575#, FTP 1400#, CK 20/64"
4/19/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2750#, TP 1525#, 20/64" CK, 36 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4348 BBLS LEFT TO RECOVER: 5087
4/20/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2475#, TP 1425#, 20/64" CK, 26 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5092 BBLS LEFT TO RECOVER: 4343

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	BONANZA 1023-5G2CS BLUE	**Wellbore No.**	OH
Well Name	BONANZA 1023-5G2CS	**Common Name**	BONANZA 1023-5G2CS
Project	UTAH-UINTAH	**Site**	BONANZA 1023-5G PAD
Vertical Section Azimuth	288.86 (°)	**North Reference**	True
Origin N/S		**Origin E/W**	
Spud Date	1/24/2010	**UWI**	SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0
Active Datum	RKB @5,333.00ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	APC
Started	1/24/2010	**Ended**	
Tool Name		**Engineer**	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
10.00	0.00	0.00	10.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
1/24/2010	Tie On	10.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/25/2010	NORMAL	159.00	0.55	105.23	159.00	-0.19	0.69	-0.71	0.37	0.37	0.00	105.23
	NORMAL	249.00	0.27	282.85	249.00	-0.25	0.90	-0.93	0.91	-0.31	197.36	179.22
	NORMAL	339.00	1.13	307.64	338.99	0.33	-0.01	0.12	0.99	0.96	27.54	32.08
	NORMAL	429.00	2.33	315.89	428.95	2.19	-1.99	2.59	1.36	1.33	9.17	15.87
	NORMAL	519.00	2.26	301.52	518.88	4.43	-4.77	5.95	0.64	-0.08	-15.97	-104.08
	NORMAL	609.00	2.24	301.65	608.81	6.28	-7.78	9.39	0.02	-0.02	0.14	165.75
	NORMAL	699.00	2.92	314.22	698.71	8.80	-10.92	13.18	0.98	0.76	13.97	46.16
	NORMAL	789.00	2.26	301.33	788.62	11.33	-14.08	16.99	0.97	-0.73	-14.32	-144.89
	NORMAL	879.00	2.48	303.32	878.55	13.32	-17.22	20.60	0.26	0.24	2.21	21.50
	NORMAL	969.00	2.71	285.55	968.46	14.96	-20.90	24.61	0.93	0.26	-19.74	-83.04
	NORMAL	1,059.00	3.29	285.75	1,058.33	16.23	-25.44	29.32	0.64	0.64	0.22	1.13
	NORMAL	1,149.00	2.61	300.93	1,148.21	17.98	-29.68	33.90	1.14	-0.76	16.87	138.45
	NORMAL	1,239.00	3.10	315.35	1,238.10	20.77	-33.15	38.08	0.96	0.54	16.02	63.04
	NORMAL	1,329.00	2.09	325.77	1,328.01	23.86	-35.78	41.57	1.23	-1.12	11.58	160.11
	NORMAL	1,419.00	2.08	315.43	1,417.95	26.38	-37.85	44.34	0.42	-0.01	-11.49	-96.69
	NORMAL	1,509.00	1.91	307.50	1,507.90	28.45	-40.19	47.23	0.36	-0.19	-8.81	-125.55
	NORMAL	1,599.00	2.06	304.01	1,597.84	30.27	-42.72	50.21	0.21	0.17	-3.88	-40.62
	NORMAL	1,689.00	2.66	310.46	1,687.77	32.53	-45.65	53.71	0.73	0.67	7.17	27.12
	NORMAL	1,779.00	2.68	302.27	1,777.67	35.01	-49.02	57.70	0.42	0.02	-9.10	-91.09

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
1/25/2010	NORMAL	1,869.00	1.82	296.81	1,867.60	36.78	-52.07	61.16	0.98	-0.96	-6.07	-168.72
	NORMAL	1,919.00	1.73	280.63	1,917.57	37.28	-53.52	62.70	1.01	-0.18	-32.36	-108.20

2.2 Survey Name: Survey #2

Survey Name	Survey #2	**Company**	APC
Started	3/1/2010	**Ended**	
Tool Name		**Engineer**	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
1,919.00	1.73	280.63	1,917.57	37.28	-53.52

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/1/2010	Tie On	1,919.00	1.73	280.63	1,917.57	37.28	-53.52	62.70	1.01	-0.18	-32.36	251.80
3/1/2010	NORMAL	1,982.00	1.85	297.61	1,980.54	37.92	-55.36	64.64	0.86	0.19	26.95	85.83
	NORMAL	2,072.00	2.11	288.03	2,070.49	39.11	-58.22	67.73	0.47	0.29	-10.64	303.30
	NORMAL	2,163.00	3.52	297.17	2,161.38	40.90	-62.30	72.17	1.62	1.55	10.04	22.26
	NORMAL	2,253.00	6.07	298.49	2,251.06	44.43	-68.94	79.60	2.84	2.83	1.47	3.14
	NORMAL	2,344.00	8.35	291.72	2,341.33	49.18	-79.31	90.95	2.67	2.51	-7.44	336.18
	NORMAL	2,432.00	11.26	290.49	2,428.04	54.55	-93.29	105.92	3.32	3.31	-1.40	355.28
	NORMAL	2,525.00	13.54	292.51	2,518.86	61.90	-111.86	125.86	2.50	2.45	2.17	11.76
3/2/2010	NORMAL	2,615.00	17.32	290.76	2,605.60	70.68	-134.13	149.77	4.23	4.20	-1.94	352.13
	NORMAL	2,706.00	19.17	285.57	2,692.03	79.49	-161.19	178.23	2.70	2.03	-5.70	316.22
	NORMAL	2,796.00	21.02	284.69	2,776.55	87.55	-191.04	209.09	2.08	2.06	-0.98	350.30
	NORMAL	2,887.00	22.51	286.62	2,861.06	96.68	-223.52	242.77	1.82	1.64	2.12	26.55
	NORMAL	2,977.00	22.34	285.22	2,944.25	106.09	-256.54	277.06	0.62	-0.19	-1.56	251.70
	NORMAL	3,068.00	23.13	285.31	3,028.18	115.35	-290.46	312.16	0.87	0.87	0.10	2.56
	NORMAL	3,158.00	21.10	282.49	3,111.56	123.53	-323.33	345.90	2.54	-2.26	-3.13	206.31
	NORMAL	3,249.00	18.99	280.56	3,197.04	129.78	-353.88	376.84	2.43	-2.32	-2.12	196.50
	NORMAL	3,339.00	19.08	276.71	3,282.13	134.19	-382.89	405.71	1.40	0.10	-4.28	272.28
	NORMAL	3,430.00	18.99	287.77	3,368.18	140.44	-411.77	435.06	3.96	-0.10	12.15	96.65
	NORMAL	3,520.00	19.52	291.46	3,453.15	150.41	-439.71	464.72	1.47	0.59	4.10	68.21
	NORMAL	3,611.00	20.22	289.17	3,538.73	161.14	-468.71	495.64	1.15	0.77	-2.52	310.89
	NORMAL	3,702.00	19.52	289.70	3,624.31	171.43	-497.88	526.57	0.79	-0.77	0.58	165.82
	NORMAL	3,792.00	18.73	292.51	3,709.35	182.03	-525.39	556.02	1.35	-0.88	3.12	131.95
	NORMAL	3,883.00	19.08	292.25	3,795.44	193.26	-552.65	585.45	0.40	0.38	-0.29	346.34
	NORMAL	3,974.00	19.70	289.88	3,881.28	204.10	-580.84	615.63	1.10	0.68	-2.60	307.12
	NORMAL	4,064.00	20.31	289.44	3,965.85	214.46	-609.84	646.42	0.70	0.68	-0.49	345.93
	NORMAL	4,155.00	22.77	287.24	4,050.48	224.94	-641.55	679.82	2.84	2.70	-2.42	340.80
	NORMAL	4,245.00	21.72	287.15	4,133.79	235.01	-674.10	713.88	1.17	-1.17	-0.10	181.82
	NORMAL	4,336.00	20.05	286.89	4,218.80	244.51	-705.12	746.30	1.84	-1.84	-0.29	183.06
	NORMAL	4,426.00	20.49	289.26	4,303.23	254.19	-734.75	777.47	1.03	0.49	2.63	62.93
	NORMAL	4,517.00	21.98	289.26	4,388.05	265.06	-765.87	810.43	1.64	1.64	0.00	0.00
3/3/2010	NORMAL	4,607.00	22.69	287.85	4,471.30	275.94	-798.29	844.63	0.99	0.79	-1.57	322.30
	NORMAL	4,698.00	20.49	287.06	4,555.91	285.99	-830.23	878.10	2.44	-2.42	-0.87	187.16
	NORMAL	4,789.00	19.17	286.45	4,641.51	294.89	-859.78	908.95	1.47	-1.45	-0.67	188.62
	NORMAL	4,879.00	16.88	286.45	4,727.09	302.78	-886.49	936.77	2.54	-2.54	0.00	180.00
	NORMAL	4,970.00	15.04	287.15	4,814.58	310.00	-910.45	961.77	2.03	-2.02	0.77	174.36
	NORMAL	5,060.00	13.10	288.29	4,901.87	316.65	-931.29	983.65	2.18	-2.16	1.27	172.42
	NORMAL	5,151.00	11.61	285.04	4,990.76	322.26	-949.93	1,003.10	1.81	-1.64	-3.57	203.44

2.2.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/3/2010	NORMAL	5,241.00	9.41	286.10	5,079.25	326.65	-965.74	1,019.48	2.45	-2.44	1.18	175.50
	NORMAL	5,332.00	8.88	285.48	5,169.09	330.59	-979.66	1,033.93	0.59	-0.58	-0.68	190.23
	NORMAL	5,423.00	7.30	285.57	5,259.18	334.01	-992.00	1,046.71	1.74	-1.74	0.10	179.59
	NORMAL	5,513.00	4.75	283.37	5,348.68	336.41	-1,001.13	1,056.13	2.84	-2.83	-2.44	184.08
	NORMAL	5,604.00	4.13	276.69	5,439.41	337.66	-1,008.05	1,063.08	0.89	-0.68	-7.34	216.53
	NORMAL	5,694.00	2.29	268.34	5,529.26	337.99	-1,013.07	1,067.94	2.10	-2.04	-9.28	190.11
	NORMAL	5,785.00	1.06	249.62	5,620.22	337.64	-1,015.68	1,070.29	1.46	-1.35	-20.57	194.82
	NORMAL	5,876.00	0.70	274.06	5,711.21	337.39	-1,017.02	1,071.48	0.56	-0.40	26.86	145.58
	NORMAL	5,966.00	0.62	326.00	5,801.21	337.83	-1,017.84	1,072.40	0.65	-0.09	57.71	123.06
	NORMAL	6,057.00	0.35	341.91	5,892.20	338.51	-1,018.20	1,072.96	0.33	-0.30	17.48	161.30
	NORMAL	6,147.00	0.18	49.32	5,982.20	338.86	-1,018.18	1,073.05	0.36	-0.19	74.90	149.39
	NORMAL	6,238.00	0.35	109.96	6,073.20	338.86	-1,017.81	1,072.70	0.34	0.19	66.64	91.58
	NORMAL	6,328.00	0.62	62.09	6,163.20	338.99	-1,017.12	1,072.09	0.52	0.30	-53.19	278.16
	NORMAL	6,419.00	1.67	11.53	6,254.18	340.52	-1,016.42	1,071.93	1.50	1.15	-55.56	288.88
	NORMAL	6,509.00	1.67	8.54	6,344.14	343.10	-1,015.96	1,072.33	0.10	0.00	-3.32	268.51
	NORMAL	6,600.00	1.06	25.24	6,435.12	345.18	-1,015.41	1,072.47	0.79	-0.67	18.35	155.05
	NORMAL	6,691.00	0.79	43.08	6,526.10	346.40	-1,014.62	1,072.12	0.43	-0.30	19.60	141.84
	NORMAL	6,781.00	0.97	83.42	6,616.09	346.94	-1,013.44	1,071.18	0.70	0.20	44.82	94.61
	NORMAL	6,872.00	1.41	79.55	6,707.07	347.23	-1,011.57	1,069.51	0.49	0.48	-4.25	347.71
	NORMAL	6,962.00	0.70	18.73	6,797.06	347.95	-1,010.31	1,068.54	1.37	-0.79	-67.58	209.77
3/4/2010	NORMAL	7,053.00	0.18	14.08	6,888.06	348.61	-1,010.10	1,068.56	0.57	-0.57	-5.11	181.61
	NORMAL	7,143.00	0.53	163.84	6,978.06	348.35	-1,009.95	1,068.33	0.77	0.39	166.40	157.29
	NORMAL	7,234.00	0.97	183.00	7,069.05	347.18	-1,009.87	1,067.88	0.55	0.48	21.05	39.49
	NORMAL	7,323.00	1.41	188.63	7,158.03	345.34	-1,010.07	1,067.48	0.51	0.49	6.33	17.71
	NORMAL	7,415.00	0.97	169.29	7,250.01	343.46	-1,010.10	1,066.89	0.64	-0.48	-21.02	213.00
	NORMAL	7,505.00	0.88	169.91	7,340.00	342.03	-1,009.83	1,066.18	0.10	-0.10	0.69	173.96
	NORMAL	7,596.00	1.06	157.34	7,430.98	340.56	-1,009.39	1,065.29	0.31	0.20	-13.81	303.83
	NORMAL	7,686.00	0.88	146.53	7,520.97	339.22	-1,008.69	1,064.19	0.28	-0.20	-12.01	220.15
	NORMAL	7,777.00	0.97	79.11	7,611.96	338.78	-1,007.54	1,062.96	1.13	0.10	-74.09	240.46
	NORMAL	7,868.00	0.53	31.30	7,702.96	339.29	-1,006.57	1,062.20	0.80	-0.48	-52.54	212.60
	NORMAL	7,958.00	0.44	91.16	7,792.95	339.64	-1,006.01	1,061.79	0.54	-0.10	66.51	129.08
	NORMAL	8,049.00	0.88	115.59	7,883.95	339.33	-1,005.03	1,060.76	0.56	0.48	26.85	45.22
3/5/2010	NORMAL	8,139.00	1.49	117.08	7,973.93	338.50	-1,003.36	1,058.91	0.68	0.68	1.66	3.64
	NORMAL	8,208.00	1.93	111.72	8,042.90	337.66	-1,001.48	1,056.87	0.68	0.64	-7.77	337.33
3/6/2010	NORMAL	8,630.00	1.93	111.72	8,464.66	332.40	-988.28	1,042.67	0.00	0.00	0.00	0.00
	NORMAL	8,725.00	1.93	111.72	8,559.60	331.21	-985.31	1,039.48	0.00	0.00	0.00	0.00

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750486	BONANZA 1023-5G2AS		SWNE	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	17459	17459	1/18/2010			6/10/10	

Comments: WELL COMPLETED IN MESAVERDE FORMATION EFFECTIVE 4/17/2010.
BHL=SWNE

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750487	BONANZA 1023-5G2CS		SWNE	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	17462	17462	1/18/2010			6/10/10	

Comments: WELL COMPLETED IN MESAVERDE FORMATION EFFECTIVE 4/18/2010.
BHL= SWNE

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

ANDY LYTLE
Name (Please Print)
Signature
REGULATORY ANALYST
Title
6/8/2010
Date

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-5G2CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047504870000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/6/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 04/06/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE		**DATE**
N/A		4/6/2011

RECEIVED Apr. 06, 2011

WORKORDER # 88119313

Name: BONANZA 1023-5G2CS – 1023-5G PAD 4/5/11
Surface Location: SWNE Sec. 5, T10S, R23E
Uintah County, UT

API: 4304750487 LEASE#: UTU-33433

ELEVATIONS: 5319' GL 5332' KB

TOTAL DEPTH: 8725' PBTD: 8653'

SURFACE CASING: 9 5/8", 36# J-55 @ 1951'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8697'
TOC @ ~130' per CBL

PERFORATIONS: Mesaverde 6992' – 8632'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1198' Green River
1964' Mahogany
4417' Wasatch
6365' Mesaverde

RECEIVED Apr. 06, 2011

BONANZA 1023-5G2AS – WELLHEAD REPLACEMENT PROCEDURE -

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~6942'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

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CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.

2. POOH, LD cutters and casing.

3. PU 7 3/8" overshot with 4 ½" right hand standard wicker grapple, 1 - 4 ¾" drill collar with 3 ½" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.

4. TIH w/ skirted mill and dress off the fish top for approximately ½ hour. TOOH.

5. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.

6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.

7. Install slips. Land casing w/ 80,000# tension.

8. Cut-off and dress 4 ½" casing stub.

9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6892. Clean out to PBTD (8653').

10. POOH, land tbg and pump off POBS.

11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.

2. POOH, LD cutters and casing.

3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.

4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.

5. Back-off casing, POOH.

RECEIVED Apr. 06, 2011

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ±7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.

7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.

8. Install slips. Land casing w/ 80,000# tension.

9. Cut-off and dress 4 ½" casing stub.

10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6892. Clean out to PBTD (8653').

11. POOH, land tbg and pump off POBS.

12. NUWH, RDMO. Turn well over to production ops.

RECEIVED Apr. 06, 2011

Logan High Pressure Casing Patches
Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type “L” Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.

2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type “L” Packers.

3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.

4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.

5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.

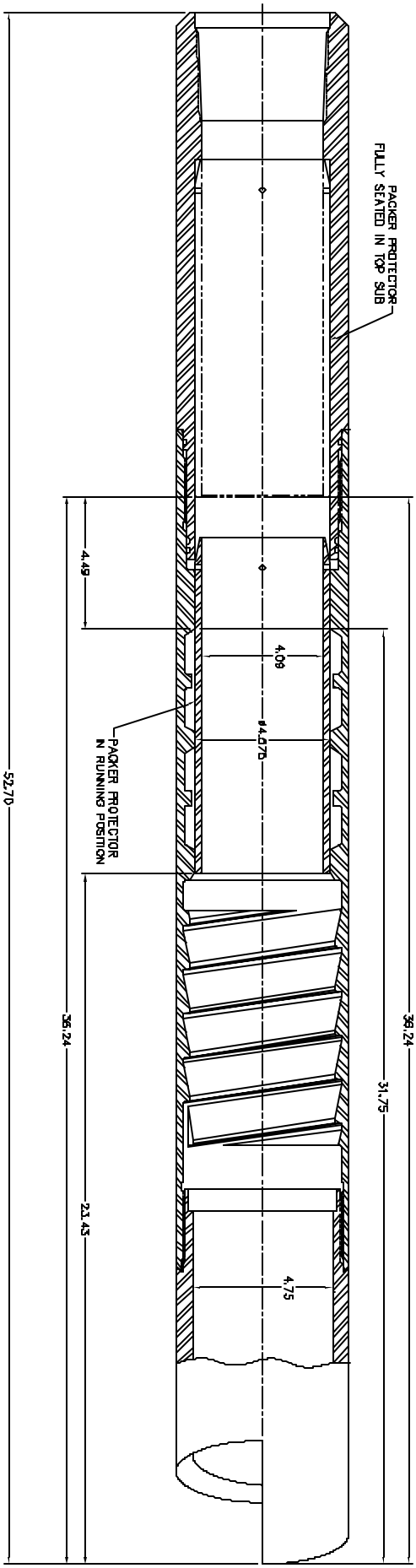
6. Install the Cutlipped Guide into the lower end of the Bowl.

7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.

8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

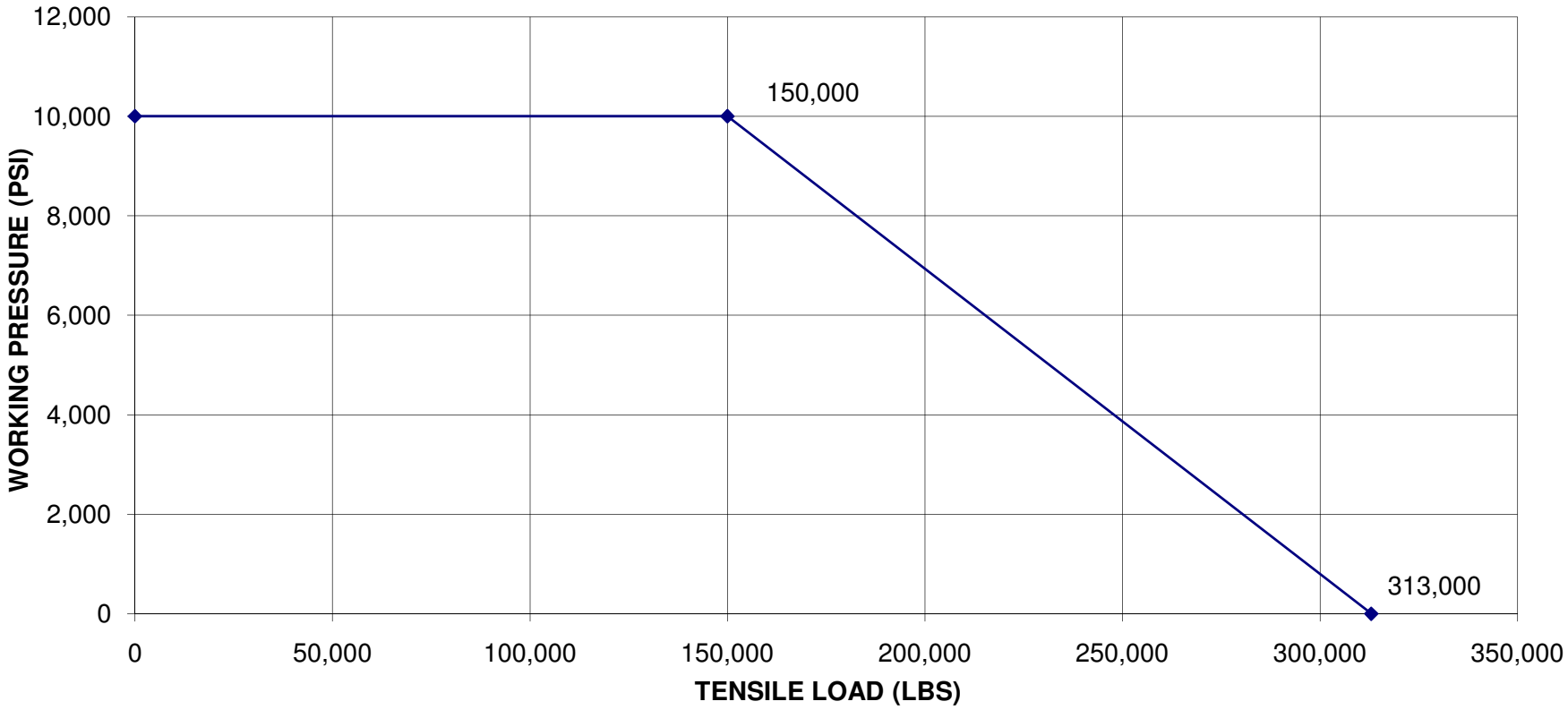
RECEIVED Apr. 06, 2011



510L-005-001 4-1/2" LOGAN HP CASING PATCH

RECEIVED Apr. 06, 2011

STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Apr. 06, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/20/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS CONCLUDED WELLHEAD/CASING REPAIRS ON THE SUBJECT WELL LOCATION. PLEASE SEE THE ATTACHED CHRONOLOGICAL HISTORY FOR DETAILS OF THE OPERATIONS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/20/2011

RECEIVED Jun. 20, 2011

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: MILES 2/2
Event: WELL WORK EXPENSE	Start Date: 5/26/2011	End Date: 6/2/2011
Active Datum: RKB @5,333.00ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/26/2011	7:00 - 7:30	0.50	MAINT	48		P		POOH TBG
	7:30 - 17:00	9.50	MAINT	31		P		MIRU, BLOW TBG DWN, NDWH, NU BOP'S, TEST, POOH 85 STDS, TBG FULL CONDESATE, SWAB TBG, BROUGHT UP SCALE KNOCKER PLUNGER, STUCK IN TIW VALVE, BREAK TBG RETRIEVE PLUNGER, PUMP 20 BBLS T-MAC DWN TBG, POOH 43 STDS, RU CUTTERS, RUN GAUGE RING, 6950', POOH PU 10K CBP, TIH SET PLUG 6920', POOH, PU BAILER, BAIL 4 SX CEMENT ON CBP, RD CUTTERS, TIH 5 STDS TBG, 315' SWIFN.
5/27/2011	7:00 - 7:30	0.50	MAINT	48		P		TRIPPING TBG

RECEIVED Jun. 20, 2011

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS BLUE	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: MILES 2/2
Event: WELL WORK EXPENSE	Start Date: 5/26/2011	End Date: 6/2/2011
Active Datum: RKB @5,333.00ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 16:00	8.50	MAINT	33		P		CIRC CSG 315', ND WH, RU WEATHERFORD, CUTTERS, STRING SHOOT 1ST CSG COLLAR , BACK OFF 1 JT CSG, PU 1 JT WITH PUP, RIH TAG CSG, TORQUE TO 7000#, RU B&C PRESSURE TEST, FAILED, BACKOFF 3 JTS DWN, SKIRTED PUP PIN GALLED, RERUN NEW CSG WITH PUP, TORQUE CSG TO 7000#, FAILED TEST, SWIFWE
5/31/2011	7:00 - 7:30	0.50	MAINT	48		P		PRESSURE TESTING
	7:30 - 20:30	13.00	MAINT					NUWH, WEATHERFORD TEST, PU WEATHERFORD PACKER, TIH SET PACKER AT 150', RU B&C PRESSURE TEST CSG DWN TBG 3500# 15 MIN, LOSS 15#, TEST CSG ABOVE PACKER, 3500#, 200# LOSS, 5 MIN, POOH TO 63" TEST DWN TBG TO 3500# 15 MIN, LOSS 10#, PU TO 31" TEST CSG ABOVE PACKER 3500# 10 MIN, HELD NO LOSS, LEAK AT PUP JT, FROM 47'TO 37', RU WEATHERFORD, PU CUTTER, TIH TO 50', CUT CSG, POOH, PULL CSG, DRESS, PU CSG PATCH, TIH STING ON CSG, SEAT PATCH. SWIFN
6/1/2011	7:00 - 7:30	0.50	MAINT	48		P		TRIPPING TBG
	7:30 - 17:00	9.50	MAINT	31		P		PRESSURE TEST CSG PER PROCEDURE, NUWH TEST, PU BIT ASSY, TIH TO 6900', TAG CEMENT, DRILL OUT CEMENT, CBP, TIH, CLEAN OUT TO 8575, TAG FILL, 269 JTS PBTD 8653', NU PWR SWIVEL, RU FOAM UNIT, BREAK CIRC, POOH 4 JTS, EOT 8444.89', 267 JTS SWIFN
6/2/2011	7:00 - 7:30	0.50	MAINT	48		P		TBG
	7:30 - 16:00	8.50	MAINT	31		P		CSG 1200#, BREAK CIRC FOAM UNIT, TIH WITH 274 JTS CLEAN FILL TO 8653' PBTD, CIRC CLEAN, POOH LD 18 JTS, STD BACK 100 STDS, KILL WELL WITH 80 BBLS T-MAC, POOH 28 STDS, ND BIT, NU XNSN, NC, TIH WITH 33 STDS, PU BROACH , BROACH TO SN,TIH WITH 95 STDS, PLUS 1 JT, 257 JTS, 8119.29' TBG, BROACH TO SN, LAND TBG, ND BOP'S, NUWH, TURN TO PROD, JTS RAN 257 JTS 8119.29' KB 13.00' HANGER .83' XNSN 1.875" 2.20' EOT 8135.32' PBTD 8653.00' WTR PUMPED 550 BBLS WTR RCVD 510 BBLS CALLED CDC 2:55 PM BOBBY

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU 33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-5G2CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047504870000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/21/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests authorization to recomplete the subject well. The operator requests approval to recomplete the Wasatch formation and commingle with the existing Mesaverde formation. Please see the attached procedure. Thank you.----------Authorization: Board Cause No. 179-14 - DKD----------

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 23, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE		**DATE**
N/A		2/21/2012

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Greater Natural Buttes Unit

BONANZA 1023-5G2CS

RE-COMPLETIONS PROCEDURE

DATE:1/13/12
AFE#:
API#:4304750487
USER ID:rachappe (Frac Invoices Only)

COMPLETIONS ENGINEER: RACHAEL HILL, Denver, CO
(720)-929-6599 (Office)
(303)-907-9167 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

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Name: **BONANZA 1023-5G2CS**
Location: **SW NW SW NE SEC 5 T10S R23E**
LAT: 39.979592 **LONG: -109.346467** **COORDINATE:** *NAD83 (Surface Location)*
Uintah County, UT
Date: **1/13/12**

ELEVATIONS: 5319' GL 5333' KB *Frac Registry TVD: 8560*

TOTAL DEPTH: 8725' **PBTD:** 8666'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 1952'
PRODUCTION CASING: 4 1/2", 11.6#, N-80 BTC @ 8711'
Marker Joint **4267-4288**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

1198' Green River Top
1424' Bird's Nest Top
1992' Mahogany Top
4417' Wasatch Top 6504' Wasatch Bottom
6504' Mesaverde Top 8725' Mesaverde Bottom (TD)
*Based on latest geological interpretation

T.O.C. @ 940' & hydraulic isoaltion @ 2850' from Halliburton CBL 3/18/10
**Based on latest interpretation of CBL

GENERAL:

- A minimum of **7** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons RMTE log dated 3/20/10
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.

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- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- **TIGHT SPACING ON STAGE 2; OVERFLUSH BY 5 BBLS**
- Tubing Currently Landed @~8135
- Originally completed on 4/12/10

Existing Perforations:

PERFORATIONS

Formation	Zone	Top	Btm	spf	Shots	Date
MESAVERDE		6992	6996	4	16	
MESAVERDE		7060	7062	3	6	
MESAVERDE		7142	7144	3	6	
MESAVERDE		7248	7252	4	16	
MESAVERDE		7337	7339	3	6	
MESAVERDE		7354	7356	3	6	
MESAVERDE		7414	7416	4	8	
MESAVERDE		7484	7488	4	16	
MESAVERDE		7502	7504	4	8	04/12/2010
MESAVERDE		7578	7582	4	16	
MESAVERDE		7636	7640	4	16	
MESAVERDE		7800	7804	3	12	
MESAVERDE		7870	7872	4	8	
MESAVERDE		7930	7932	4	8	
MESAVERDE		7966	7968	4	8	
MESAVERDE		7996	8000	4	16	
MESAVERDE		8180	8184	4	16	
MESAVERDE		8308	8312	4	16	
MESAVERDE		8368	8372	3	12	
MESAVERDE		8530	8534	4	16	
MESAVERDE		8626	8632	4	24	

Relevant History:
Slickline 9/22/10 – heavy amount of trash in well, stuck spring & unable to latch, corrosion on spring. Plunger did come free. Suspect Iron Sulfide as solid type.

Slickline 1/28/11 – same as 9/22/10 run

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Slickline 4/6/11 – heavy trash, but able to latch on

Slickline 5/19/11 – heavy trash, unable to latch onto spring, similar to 9/22 report

Well Head repair 5/27/11

Slickline 7/19/11 - see report below

From	To	Operation
7/19/2011 7:00AM		Travel to location rig up went in with jdc stacked out at 8127 beat down latch on plunger came out had a viper plunger went back in stacked out at the same spot beat down latch on spring hit oil jars 1 times broke loose came out had a titanium spring run T.D with bailer stacked out at 8649 beat down came out bailer had some sand scratch and brouch tubing was clean came out 1.90 brouch was clean plunger was good titanium spring was good drop titanium spring and plunger chase to seat nipple came out rig down travel to next location. FLUID LEVEL 7600 SEAT NIPPLE DEPTH 8127 SN TYPE X TD (Max Depth) 8649 JOB DETAILS SPRING AND/OR PRODUTION TOOL DETAIL Spring Out Used-Titanium Spring In Used-Titanium Stuck Spring Yes, stuck but able to latch on Corrosion on Spring No Bailed Acid No Broken Spring No Scale on Spring No Production Tools None Depth of Tool Other Hardware None PLUNGER DETAIL Stuck Plunger Yes, stuck but able to latch on Corrosion on Plunger No Broken Plunger No Scale on Plunger No SOLIDS DETAIL Tight Spots None Severity of Trash None Solid sample to turn in No Solid Sample Source Tubing Speculated Type of Solid Iron Sulfide Speculated Depth of Solid LOST SLICKLINE TOOLS Slickline Tools Lost No Depth of Tool

H2S History:

BONANZA 1023-5G2CS		Max(Separator H2S (ppm))	Max(Tank H2S (ppm))
2010	Jun	10	0
2010	Jul	8	0
2010	Aug	4	0
2010	Sep	3	0
2010	Oct	9	0
2010	Nov	8	0
2010	Dec	19	0
2011	Jan	18	0
2011	Mar	24	0
2011	Apr	0	0
2011	May	0	0
2011	Jul	3	0
2011	Aug	0	0
2011	Sep	0	0
2011	Dec	0	0

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PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. The tubing is below the proposed CBP depth, TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8135'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 6474 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6474 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 6424'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6368	6374	4	24

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6368' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~5807'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5590	5592	4	8
WASATCH	5632	5635	4	12
WASATCH	5776	5777	4	4

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5590' and trickle 250gal 15%HCL w/ scale inhibitor in flush. **NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLS**

9. Set 8000 psi CBP at ~5550'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5422	5424	4	8
WASATCH	5516	5520	4	16

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5422' and flush only with recycled water.

11. Set 8000 psi CBP at~5372'.

12. ND Frac Valves, NU and Test BOPs.

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13. TIH with 3 7/8” mill, pump open sub, XN nipple and tubing.

14. Mill 3 plugs and clean out to a depth of ~6414’.

15. Land tubing at 5560’, drop ball and pump open sub. Flow back completion load. RDMO

16. MIRU, POOH tbg and mill. TIH with POBS and mill.

17. Mill last plug @ 6424’ clean out to PBTD at 8666’. Land tubing at ±8135’ pump off bit and bit sub. This well WILL be commingled at this time.

18. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

19. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

For design questions, please call
Rachael Hill, Denver, CO
(720)-929-6599 (Office)
(303)-907-9167 (Cell)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)

NOTES:
TIGHT SPACING ON STAGE 2; OVERFLUSH BY 5 BBLS

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

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Name Bonanza 1023-5G2CS
Perforation and CBP Summary

Stage	Zones	Perforations Top, ft	Perforations Bottom, ft	SPF	Holes		Fracture Coverage		
1	WASATCH	6368	6374	4	24		6356	to	6379
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,807	
2	WASATCH	5590	5592	4	8		5577	to	5612.5
	WASATCH	5632	5635	4	12		5615.5	to	5645.5
	WASATCH	5776	5777	4	4		5775	to	5779.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,550	
3	WASATCH	5422	5424	4	8		5418	to	5425
	WASATCH	5516	5520	4	16		5514	to	5525
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,372	
	Totals				72				

Total Stages 3 stages
Last Stage Flush 3,539 gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	50	gals @	0.5	GPT
Surfactant	100	gals @	1.0	GPT
Clay Stabilizer	50	gals @	0.5	GPT
15% Hcl	750	gals @	250	gal/stg
Iron Control for acid	4	gals @	5.0	GPT of acid
Surfactant for acid	2	gals @	2.0	GPT of acid
Corrosion Inhibitor for acid	3	gals @	4.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	283	gals pumped per schedule above		
Biocide	50	gals @	0.5	GPT

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Fracturing Schedules

Name Bonanza 1023-5G2 CS

Slickwater Frac

Copy to new book

Casing Size Recompleter?	4.5
Pad?	Y
ACTS?	Y
	Y

Swabbing Days	3
Production Log	0
DFIT	0

Enter Number of swabbing days here for recompletes
Enter 1 if running a Production Log
Enter Number of DFITs

Stage	Zone	Perfs Top, ft.	Perfs Bot. ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	6368	6374	4	24	Varied	Pre-Pad & Pump-in test			Slickwater	4,157	4,157	99	99						
	WASATCH					0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad		1	Slickwater	6,773	10,930	161	260	15.0%	0.0%	0	0	38	
	WASATCH					50	Slickwater Ramp	0.25	2	Slickwater	22,575	33,505	538	798	50.0%	37.3%	14,109	14,109	20	
	WASATCH					50	Slickwater Ramp	1		Slickwater	15,803	49,307	376	1,174	35.0%	62.7%	23,704	37,813	68	
	WASATCH					50	Flush (4-1/2)			Slickwater	4,157	53,464	99	1,273				37,813	0	
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																		0	
	WASATCH																		38	
	WASATCH																		163	
	WASATCH																			
	# of Perfs/stage				24					Sand laden Volume		45,150								
2	WASATCH	5590	5592	4	8	25.5	<< Above pump time (min)							Flush depth	6368		CBP depth	5,807	561	lbs sand/mt-ft
	WASATCH	5632	5635	4	12	Varied	Pump-in test									gal/md-ft		62,813		
	WASATCH	5776	5777	4	4	0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad		1	Slickwater	3,203	3,203	76	76	15.0%	0.0%	0	0	10	
	WASATCH					50	Slickwater Ramp	0.25	2	Slickwater	10,675	13,878	254	330	50.0%	37.3%	6,672	6,672	32	
	WASATCH					50	Slickwater Ramp	1		Slickwater	7,473	21,351	178	508	35.0%	62.7%	11,209	17,881	0	
	WASATCH					50	Flush (4-1/2)			Slickwater	3,649	25,000	87	595				17,881	0	
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																		0	
	WASATCH																		36	
	WASATCH																		78	
	WASATCH																			
	# of Perfs/stage				24					Sand laden Volume		21,351								
3	WASATCH	5422	5424	4	8	11.9	<< Above pump time (min)							Flush depth	5590		CBP depth	5,550	40	lbs sand/mt-ft
	WASATCH	5516	5520	4	16	Varied	Pump-in test									gal/md-ft		109,033		
	WASATCH					0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad		1	Slickwater	3,219	3,219	77	77	15.0%	0.0%	0	0	10	
	WASATCH					50	Slickwater Ramp	0.25	2	Slickwater	10,730	13,949	255	332	50.0%	37.3%	6,706	6,706	32	
	WASATCH					50	Slickwater Ramp	1		Slickwater	7,511	21,461	179	511	35.0%	62.7%	11,267	17,973	0	
	WASATCH					50	Flush (4-1/2)			Slickwater	3,539	25,000	84	595				17,973	0	
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																		0	
	WASATCH																		0	
	WASATCH																		42	
	WASATCH																			
	WASATCH																			
	WASATCH																			
	WASATCH																			
	# of Perfs/stage				24					Sand laden Volume		21,461								
	Totals				**72**	**11.9**	<< Above pump time (min)				**Total Fluid**	**103,464 gals**		**Flush depth**	**5422**		**Total Sand**	**73,668**	**Total Scale Inhib. =**	**283**
												2,463 bbls			**2,463** bbls		**CBP depth**	**5,372**	lbs sand/mt-ft **50**	
						0.8									**5.5** tanks					

Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

RECEIVED: Feb. 21, 2012

MD	TVD	EW	NS	INC	AZI		MD	TVD	EW	NS	INC	AZI
10	10	0	0	0	0		4245	4133.76	-673.05	240.06	21.72	287.15
159	159	0.69	-0.19	0.55	105.23		4336	4218.78	-704.06	249.56	20.05	286.89
249	249	0.9	-0.25	0.27	282.85		4426	4303.21	-733.7	259.23	20.49	289.26
339	338.99	-0.01	0.33	1.13	307.64		4517	4388.03	-764.81	270.11	21.98	289.26
429	428.95	-1.99	2.19	2.33	315.89		4607	4471.28	-797.24	280.98	22.69	287.85
519	518.88	-4.77	4.43	2.26	301.52		4698	4555.89	-829.17	291.04	20.49	287.06
609	608.81	-7.78	6.28	2.24	301.65		4789	4641.49	-858.73	299.94	19.17	286.45
699	698.71	-10.92	8.8	2.92	314.22		4879	4727.07	-885.44	307.83	16.88	286.45
789	788.62	-14.08	11.33	2.26	301.33		4970	4814.55	-909.39	315.05	15.04	287.15
879	878.55	-17.22	13.32	2.48	303.32		5060	4901.85	-930.24	321.69	13.1	288.29
969	968.46	-20.9	14.96	2.71	285.55		5151	4990.74	-948.87	327.31	11.61	285.04
1059	1058.33	-25.44	16.23	3.29	285.75		5241	5079.23	-964.69	331.7	9.41	286.1
1149	1148.21	-29.68	17.98	2.61	300.93		5332	5169.07	-978.6	335.64	8.88	285.48
1239	1238.1	-33.15	20.77	3.1	315.35		5423	5259.16	-990.94	339.06	7.3	285.57
1329	1328.01	-35.78	23.86	2.09	325.77		5513	5348.66	-1000.08	341.46	4.75	283.37
1419	1417.95	-37.85	26.38	2.08	315.43		5604	5439.38	-1007	342.71	4.13	276.69
1509	1507.9	-40.19	28.45	1.91	307.5		5694	5529.24	-1012.02	343.04	2.29	268.34
1599	1597.84	-42.72	30.27	2.06	304.01		5785	5620.2	-1014.62	342.69	1.06	249.62
1689	1687.77	-45.65	32.53	2.66	310.46		5876	5711.19	-1015.97	342.44	0.7	274.06
1779	1777.67	-49.02	35.01	2.68	302.27		5966	5801.18	-1016.79	342.88	0.62	326
1869	1867.6	-52.07	36.78	1.82	296.81		6057	5892.18	-1017.15	343.55	0.35	341.91
1919	1917.57	-53.52	37.28	1.73	280.63		6147	5982.18	-1017.13	343.91	0.18	49.32
1982	1980.54	-55.36	37.92	1.85	297.61		6238	6073.18	-1016.76	343.91	0.35	109.96
2072	2070.49	-58.22	39.11	2.11	288.03		6328	6163.17	-1016.07	344.04	0.62	62.06
2163	2161.38	-62.3	40.9	3.52	297.17		6419	6254.16	-1015.37	345.57	1.67	11.53
2253	2251.06	-68.94	44.43	6.07	298.49		6509	6344.12	-1014.91	348.15	1.67	8.54
2344	2341.33	-79.31	49.18	8.35	291.72		6600	6435.09	-1014.35	350.22	1.06	25.24
2432	2428.04	-93.29	54.55	11.26	290.49		6691	6526.08	-1013.57	351.44	0.79	43.08
2525	2518.86	-111.86	61.9	13.54	292.51		6781	6616.07	-1012.39	351.98	0.97	83.42
2615	2605.6	-134.13	70.68	17.32	290.76		6872	6707.05	-1010.52	352.28	1.41	79.55
2706	2692.03	-161.19	79.49	19.17	285.57		6962	6797.04	-1009.25	353	0.7	18.73
2796	2776.55	-191.04	87.55	21.02	284.69		7053	6888.03	-1009.04	353.66	0.18	14.08
2887	2861.06	-223.52	96.68	22.51	286.62		7143	6978.03	-1008.89	353.4	0.53	163.84
2977	2944.25	-256.54	106.09	22.34	285.22		7234	7069.03	-1008.81	352.23	0.97	183
3068	3028.18	-290.46	115.35	23.13	285.31		7323	7158.01	-1009.02	350.39	1.41	188.63
3158	3111.56	-323.33	123.53	21.1	282.49		7415	7249.99	-1009.04	348.51	0.97	169.29
3249	3197.04	-353.88	129.78	18.99	280.56		7505	7339.97	-1008.78	347.08	0.88	169.91
3339	3282.13	-382.37	136.7	19.08	286.71		7596	7430.96	-1008.33	345.61	1.06	157.34
3430	3368.16	-410.72	145.49	18.99	287.77		7686	7520.95	-1007.63	344.27	0.88	146.53
3520	3453.12	-438.66	155.46	19.52	291.46		7777	7611.94	-1006.49	343.83	0.97	79.11
3611	3538.71	-467.66	166.19	20.22	289.17		7868	7702.93	-1005.52	344.34	0.53	31.3
3702	3624.29	-496.83	176.48	19.52	289.7		7958	7792.93	-1004.95	344.68	0.44	91.16
3792	3709.32	-524.33	187.08	18.73	292.51		8049	7883.92	-1003.97	344.38	0.88	115.59
3883	3795.41	-551.6	198.3	19.08	292.25		8139	7973.9	-1002.31	343.54	1.49	117.08
3974	3881.25	-579.79	209.15	19.7	289.88		8208	8042.87	-1000.43	342.71	1.93	111.72
4064	3965.82	-608.78	219.51	20.31	289.44		8630	8464.63	-987.23	337.45	1.93	111.72
4155	4050.46	-640.5	229.99	22.77	287.24							

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Key Contact information

Completion Engineer

Rachael Hill: 303-907-9167, 720-929-6599

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Jordan Portillo: 435/781-9785, 435/828-6221

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

RECEIVED: Feb. 21, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/25/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator has performed the recompletion on the subject well. The subject well was placed on production on 04/25/2012 at 1700 HRS. The chronological well history will be submitted with the well completion report.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 02, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 4/26/2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6029

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
See Atchmt	See Atchmt						
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	99999	18519				5/1/2012	

Comments: Please see attachment with list of Wells in the Ponderosa Unit. 5/30/2012
lwsmvd

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

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Div. of Oil, Gas & Mining

Cara Mahler
Name (Please Print)

Signature

REGULATORY ANALYST
Title

5/21/2012
Date

(5/2000)

well_name	sec	twp	rng	api	entity		lease	well	stat	qtr_qtr	bhl	surf	zone	a_stat	l_num	op_no
SOUTHMAN CANYON 31-3	31	090S	230E	4304734726	13717		1	GW	P	SENW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CANYON 31-4	31	090S	230E	4304734727	13742		1	GW	S	SESW		1	WSMVD	S	UTU-33433	N2995
SOUTHMAN CYN 31-2X (RIG SKID)	31	090S	230E	4304734898	13755		1	GW	P	NWNW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31J	31	090S	230E	4304735149	13994		1	GW	P	NWSE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31B	31	090S	230E	4304735150	13953		1	GW	P	NWNE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31P	31	090S	230E	4304735288	14037		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31H	31	090S	230E	4304735336	14157		1	GW	P	SENE		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31O	31	090S	230E	4304737205	16827		1	GW	P	SWSE		1	MVRD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31K	31	090S	230E	4304737206	16503		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31G	31	090S	230E	4304737208	16313		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31E	31	090S	230E	4304737209	16521		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31A	31	090S	230E	4304737210	16472		1	GW	P	NENE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31C	31	090S	230E	4304737227	16522		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-1G	01	100S	230E	4304735512	14458		1	GW	P	SWNE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1A	01	100S	230E	4304735717	14526		1	GW	P	NENE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1E	01	100S	230E	4304735745	14524		1	GW	P	SWNW		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1C	01	100S	230E	4304735754	14684		1	GW	P	NENW		1	MVRD	P	U-40736	N2995
BONANZA 1023-1K	01	100S	230E	4304735755	15403		1	GW	P	NESW		1	MVRD	P	U-38423	N2995
BONANZA 1023-1F	01	100S	230E	4304737379	16872		1	GW	P	SENW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1B	01	100S	230E	4304737380	16733		1	GW	P	NWNE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1D	01	100S	230E	4304737381	16873		1	GW	P	NWNW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1H	01	100S	230E	4304737430	16901		1	GW	P	SENE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1L	01	100S	230E	4304738300	16735		1	GW	P	NWSW		1	MVRD	P	UTU-38423	N2995
BONANZA 1023-1J	01	100S	230E	4304738302	16871		1	GW	P	NWSE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1I	01	100S	230E	4304738810	16750		1	GW	P	NESE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-2E	02	100S	230E	4304735345	14085		3	GW	P	SWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2C	02	100S	230E	4304735346	14084		3	GW	P	NENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2A	02	100S	230E	4304735347	14068		3	GW	P	NENE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2G	02	100S	230E	4304735661	14291		3	GW	P	SWNE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O	02	100S	230E	4304735662	14289		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2I	02	100S	230E	4304735663	14290		3	GW	S	NESE		3	WSMVD	S	ML-47062	N2995
BONANZA 1023-2MX	02	100S	230E	4304736092	14730		3	GW	P	SWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H	02	100S	230E	4304737093	16004		3	GW	P	SENE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D	02	100S	230E	4304737094	15460		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2B	02	100S	230E	4304737095	15783		3	GW	P	NWNE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2P	02	100S	230E	4304737223	15970		3	GW	P	SESE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2N	02	100S	230E	4304737224	15887		3	GW	P	SESW		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2L	02	100S	230E	4304737225	15833		3	GW	P	NWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2F	02	100S	230E	4304737226	15386		3	GW	P	SENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D-4	02	100S	230E	4304738761	16033		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O-1	02	100S	230E	4304738762	16013		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H3CS	02	100S	230E	4304750344	17426		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G3BS	02	100S	230E	4304750345	17428		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G2CS	02	100S	230E	4304750346	17429		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G1BS	02	100S	230E	4304750347	17427		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995

BONANZA 1023-2M1S	02	100S	230E	4304750379	17443		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2L2S	02	100S	230E	4304750380	17444		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K4S	02	100S	230E	4304750381	17446		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K1S	02	100S	230E	4304750382	17445		3	GW	P	SENW	D	3	WSMVD	P	ML 47062	N2995
BONANZA 4-6 *	04	100S	230E	4304734751	13841		1	GW	P	NESW		1	MNCS	P	UTU-33433	N2995
BONANZA 1023-4A	04	100S	230E	4304735360	14261		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4E	04	100S	230E	4304735392	14155		1	GW	P	SWNW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4C	04	100S	230E	4304735437	14252		1	GW	P	NENW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4M	04	100S	230E	4304735629	14930		1	GW	P	SWSW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4O	04	100S	230E	4304735688	15111		1	GW	P	SWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4I	04	100S	230E	4304735689	14446		1	GW	P	NESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4G	04	100S	230E	4304735746	14445		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4D	04	100S	230E	4304737315	16352		1	GW	P	NWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4H	04	100S	230E	4304737317	16318		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4B	04	100S	230E	4304737328	16351		1	GW	P	NWNE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4L	04	100S	230E	4304738211	16393		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4P	04	100S	230E	4304738212	16442		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4N	04	100S	230E	4304738303	16395		1	GW	P	SESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4FX (RIGSKID)	04	100S	230E	4304739918	16356		1	GW	P	SENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5O	05	100S	230E	4304735438	14297		1	GW	P	SWSE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5AX (RIGSKID)	05	100S	230E	4304735809	14243		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5C	05	100S	230E	4304736176	14729		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G	05	100S	230E	4304736177	14700		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5M	05	100S	230E	4304736178	14699		1	GW	P	SWSW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5K	05	100S	230E	4304736741	15922		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5B	05	100S	230E	4304737318	16904		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5E	05	100S	230E	4304737319	16824		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5H	05	100S	230E	4304737320	16793		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5N	05	100S	230E	4304737321	16732		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5L	05	100S	230E	4304737322	16825		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5J	05	100S	230E	4304737428	17055		1	GW	P	NWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5P	05	100S	230E	4304738213	16795		1	GW	P	SESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5N-1	05	100S	230E	4304738911	17060		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5PS	05	100S	230E	4304750169	17323		1	GW	P	NESE	D	1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G2AS	05	100S	230E	4304750486	17459		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G2CS	05	100S	230E	4304750487	17462		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3BS	05	100S	230E	4304750488	17461		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3CS	05	100S	230E	4304750489	17460		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5N4AS	05	100S	230E	4304752080	18484		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU73450	N2995
BONANZA 1023-8C2DS	05	100S	230E	4304752081	18507		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU37355	N2995
BONANZA 6-2	06	100S	230E	4304734843	13796		1	GW	TA	NESW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6C	06	100S	230E	4304735153	13951		1	GW	P	NENW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6E	06	100S	230E	4304735358	14170		1	GW	P	SWNW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6M	06	100S	230E	4304735359	14233		1	GW	P	SWSW		1	WSMVD	P	U-38419	N2995
BONANZA 1023-6G	06	100S	230E	4304735439	14221		1	GW	P	SWNE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6O	06	100S	230E	4304735630	14425		1	GW	TA	SWSE		1	WSMVD	TA	U-38419	N2995

* not moved in unit

BONANZA 1023-6A	06	100S	230E	4304736067	14775		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-6N	06	100S	230E	4304737211	15672		1	GW	P	SESW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6L	06	100S	230E	4304737212	15673		1	GW	P	NWSW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6J	06	100S	230E	4304737213	15620		1	GW	P	NWSE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6F	06	100S	230E	4304737214	15576		1	GW	TA	SENW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6P	06	100S	230E	4304737323	16794		1	GW	P	SESE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6H	06	100S	230E	4304737324	16798		1	GW	S	SENE		1	WSMVD	S	UTU-33433	N2995
BONANZA 1023-6D	06	100S	230E	4304737429	17020		1	GW	P	NWNW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6B	06	100S	230E	4304740398	18291		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-6M1BS	06	100S	230E	4304750452	17578		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1AS	06	100S	230E	4304750453	17581		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1CS	06	100S	230E	4304750454	17580		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N4BS	06	100S	230E	4304750455	17579		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I2S	06	100S	230E	4304750457	17790		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I4S	06	100S	230E	4304750458	17792		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6J3S	06	100S	230E	4304750459	17791		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6P1S	06	100S	230E	4304750460	17793		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6A2CS	06	100S	230E	4304751430	18292		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4BS	06	100S	230E	4304751431	18293		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4CS	06	100S	230E	4304751432	18294		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6C4BS	06	100S	230E	4304751449	18318		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
BONANZA 1023-6D1DS	06	100S	230E	4304751451	18316		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
FLAT MESA FEDERAL 2-7	07	100S	230E	4304730545	18244		1	GW	S	NENW		1	WSMVD	S	U-38420	N2995
BONANZA 1023-7B	07	100S	230E	4304735172	13943		1	GW	P	NWNE		1	MVRD	P	U-38420	N2995
BONANZA 1023-7L	07	100S	230E	4304735289	14054		1	GW	P	NWSW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7D	07	100S	230E	4304735393	14171		1	GW	P	NWNW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7P	07	100S	230E	4304735510	14296		1	GW	P	SESE		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7H	07	100S	230E	4304736742	15921		1	GW	P	SENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7NX (RIGSKID)	07	100S	230E	4304736932	15923		1	GW	P	SESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7M	07	100S	230E	4304737215	16715		1	GW	P	SWSW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7K	07	100S	230E	4304737216	16714		1	GW	P	NESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7E	07	100S	230E	4304737217	16870		1	GW	P	SWNW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7G	07	100S	230E	4304737326	16765		1	GW	P	SWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7A	07	100S	230E	4304737327	16796		1	GW	P	NENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7O	07	100S	230E	4304738304	16713		1	GW	P	SWSE		1	MVRD	P	UTU-38420	N2995
BONANZA 1023-7B-3	07	100S	230E	4304738912	17016		1	GW	P	NWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-07JT	07	100S	230E	4304739390	16869		1	GW	P	NWSE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7J2AS	07	100S	230E	4304750474	17494		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7J2DS	07	100S	230E	4304750475	17495		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7L3DS	07	100S	230E	4304750476	17939		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7M2AS	07	100S	230E	4304750477	17942		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2AS	07	100S	230E	4304750478	17940		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2DS	07	100S	230E	4304750479	17941		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7O4S	07	100S	230E	4304750480	17918		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7P2S	07	100S	230E	4304750482	17919		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 8-2	08	100S	230E	4304734087	13851		1	GW	P	SESE		1	MVRD	P	U-37355	N2995

BONANZA 8-3	08	100S	230E	4304734770	13843	1	GW	P	NWNW		1	MVRD	P	U-37355	N2995
BONANZA 1023-8A	08	100S	230E	4304735718	14932	1	GW	P	NENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8L	08	100S	230E	4304735719	14876	1	GW	P	NWSW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8N	08	100S	230E	4304735720	15104	1	GW	P	SESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8F	08	100S	230E	4304735989	14877	1	GW	S	SENW		1	WSMVD	S	UTU-37355	N2995
BONANZA 1023-8I	08	100S	230E	4304738215	16358	1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8K	08	100S	230E	4304738216	16354	1	GW	P	NESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8M	08	100S	230E	4304738217	16564	1	GW	P	SWSW		1	MVRD	P	UTU-37355	N2995
BONANZA 1023-8G	08	100S	230E	4304738218	16903	1	GW	P	SWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8E	08	100S	230E	4304738219	16397	1	GW	P	SWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8C	08	100S	230E	4304738220	16355	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B	08	100S	230E	4304738221	16292	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8H	08	100S	230E	4304738222	16353	1	GW	P	SENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8O	08	100S	230E	4304738305	16392	1	GW	P	SWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B-4	08	100S	230E	4304738914	17019	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8A1DS	08	100S	230E	4304750481	17518	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4BS	08	100S	230E	4304750483	17519	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B1AS	08	100S	230E	4304750484	17520	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B2AS	08	100S	230E	4304750485	17521	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O2S	08	100S	230E	4304750495	17511	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J1S	08	100S	230E	4304750496	17509	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3S	08	100S	230E	4304750497	17512	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J3	08	100S	230E	4304750498	17510	1	GW	P	NWSE		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C4CS	08	100S	230E	4304750499	17544	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D2DS	08	100S	230E	4304750500	17546	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D3DS	08	100S	230E	4304750501	17545	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3DS	08	100S	230E	4304750502	17543	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4CS	08	100S	230E	4304751131	18169	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B3BS	08	100S	230E	4304751132	18167	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C1AS	08	100S	230E	4304751133	18166	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G3AS	08	100S	230E	4304751134	18168	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2AS	08	100S	230E	4304751135	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3BS	08	100S	230E	4304751136	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4AS	08	100S	230E	4304751137	18224	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4DS	08	100S	230E	4304751138	18225	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J2CS	08	100S	230E	4304751139	18226	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G4DS	08	100S	230E	4304751140	18144	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H2DS	08	100S	230E	4304751141	18142	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H3DS	08	100S	230E	4304751142	18143	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H4DS	08	100S	230E	4304751143	18141	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8I4BS	08	100S	230E	4304751144	18155	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J4BS	08	100S	230E	4304751145	18154	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P1AS	08	100S	230E	4304751146	18156	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2BS	08	100S	230E	4304751147	18153	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P4AS	08	100S	230E	4304751148	18157	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2DS	08	100S	230E	4304751149	18201	1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995

BONANZA 1023-8E3DS	08	100S	230E	4304751150	18200		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K1CS	08	100S	230E	4304751151	18199		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K4CS	08	100S	230E	4304751152	18198		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8L3DS	08	100S	230E	4304751153	18197		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2AS	08	100S	230E	4304751154	18217		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2DS	08	100S	230E	4304751155	18216		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N2BS	08	100S	230E	4304751156	18218		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3CS	08	100S	230E	4304751157	18254		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N3DS	08	100S	230E	4304751158	18215		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O4AS	08	100S	230E	4304751159	18252		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2CS	08	100S	230E	4304751160	18251		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P3CS	08	100S	230E	4304751161	18253		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
CANYON FEDERAL 2-9	09	100S	230E	4304731504	1468		1	GW	P	NENW		1	MVRD	P	U-37355	N2995
SOUTHMAN CANYON 9-3-M	09	100S	230E	4304732540	11767		1	GW	S	SWSW		1	MVRD	S	UTU-37355	N2995
SOUTHMAN CANYON 9-4-J	09	100S	230E	4304732541	11685		1	GW	S	NWSE		1	MVRD	S	UTU-37355	N2995
BONANZA 9-6	09	100S	230E	4304734771	13852		1	GW	P	NWNE		1	MVRD	P	U-37355	N2995
BONANZA 9-5	09	100S	230E	4304734866	13892		1	GW	P	SESW		1	MVRD	P	U-37355	N2995
BONANZA 1023-9E	09	100S	230E	4304735620	14931		1	GW	P	SWNW		1	WSMVD	P	U-37355	N2995
BONANZA 1023-9I	09	100S	230E	4304738223	16766		1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9D	09	100S	230E	4304738306	16398		1	GW	P	NWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9J	09	100S	230E	4304738811	16989		1	GW	P	NWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9B3BS	09	100S	230E	4304750503	17965		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9B3CS	09	100S	230E	4304750504	17968		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2BS	09	100S	230E	4304750505	17966		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2CS	09	100S	230E	4304750506	17967		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 10-2	10	100S	230E	4304734704	13782		1	GW	P	NWNW		1	MVRD	P	U-72028	N2995
BONANZA 1023-10L	10	100S	230E	4304735660	15164		1	GW	P	NWSW		1	WSMVD	P	U-38261	N2995
BONANZA 1023-10E	10	100S	230E	4304738224	16501		1	GW	P	SWNW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C	10	100S	230E	4304738228	16500		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C-4	10	100S	230E	4304738915	17015		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 11-2 ✯	11	100S	230E	4304734773	13768		1	GW	P	SWNW		1	MVMCS	P	UTU-38425	N2995
BONANZA 1023-11K	11	100S	230E	4304735631	15132		1	GW	P	NESW		1	WSMVD	P	UTU-38425	N2995
BONANZA 1023-11B	11	100S	230E	4304738230	16764		1	GW	P	NWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11F	11	100S	230E	4304738232	16797		1	GW	P	SENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11D	11	100S	230E	4304738233	16711		1	GW	P	NWNW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11G	11	100S	230E	4304738235	16826		1	GW	P	SWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11C	11	100S	230E	4304738309	16736		1	GW	P	NENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11J	11	100S	230E	4304738310	16839		1	GW	P	NWSE		1	WSMVD	P	UTU-38424	N2995
BONANZA 1023-11N	11	100S	230E	4304738311	16646		1	GW	P	SESW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11M	11	100S	230E	4304738312	16687		1	GW	P	SWSW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11L	11	100S	230E	4304738812	16987		1	GW	P	NWSW		1	WSMVD	P	UTU-38424	N2995
NSO FEDERAL 1-12	12	100S	230E	4304730560	1480		1	GW	P	NENW		1	MVRD	P	UTU-38423	N2995
WHITE RIVER 1-14	14	100S	230E	4304730481	1500		1	GW	S	NENW		1	MVRD	S	U-38427	N2995
BONANZA 1023-14D	14	100S	230E	4304737030	16799		1	GW	P	NWNW		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-14C	14	100S	230E	4304738299	16623		1	GW	P	NENW		1	MVRD	P	UTU-38427	N2995
BONANZA FEDERAL 3-15	15	100S	230E	4304731278	8406		1	GW	P	NENW		1	MVRD	P	U-38428	N2995

✯ not moved into unit

BONANZA 1023-15H	15	100S	230E	4304738316	16688	1	GW	P	SENE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15J	15	100S	230E	4304738817	16988	1	GW	P	NWSE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15H4CS	15	100S	230E	4304750741	17492	1	GW	P	NESE	D	1	MVRD	P	UTU 38427	N2995
BONANZA 1023-15I2AS	15	100S	230E	4304750742	17493	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15I4BS	15	100S	230E	4304750743	17490	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15P1BS	15	100S	230E	4304750744	17491	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
LOOKOUT POINT STATE 1-16	16	100S	230E	4304730544	1495	3	GW	P	NESE		3	WSMVD	P	ML-22186-A	N2995
BONANZA 1023-16J	16	100S	230E	4304737092	15987	3	GW	OPS	NWSE		3	WSMVD	OPS	ML-22186-A	N2995
BONANZA 1023-17B	17	100S	230E	4304735747	15165	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17C	17	100S	230E	4304738237	16585	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17D3S	17	100S	230E	4304750511	17943	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E2S	17	100S	230E	4304750512	17944	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3AS	17	100S	230E	4304750513	17945	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3CS	17	100S	230E	4304750514	17946	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-18G	18	100S	230E	4304735621	14410	1	GW	P	SWNE		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18B	18	100S	230E	4304735721	14395	1	GW	P	NWNE		1	WSMVD	P	U-38421	N2995
BONANZA 1023-18DX (RIGSKID)	18	100S	230E	4304736218	14668	1	GW	P	NWNW		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18A	18	100S	230E	4304738243	16625	1	GW	P	NENE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18F	18	100S	230E	4304738244	16624	1	GW	P	SENW		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18E	18	100S	230E	4304738245	16645	1	GW	P	SWNW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18C	18	100S	230E	4304738246	16734	1	GW	P	NENW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18G-1	18	100S	230E	4304738916	17135	1	GW	P	SWNE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18D3AS	18	100S	230E	4304750448	17498	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18D3DS	18	100S	230E	4304750449	17499	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E2DS	18	100S	230E	4304750450	17497	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E3AS	18	100S	230E	4304750451	17496	1	GW	P	SENW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L2S	18	100S	230E	4304750520	18111	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L3S	18	100S	230E	4304750521	18110	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3AS	18	100S	230E	4304751061	18112	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3BS	18	100S	230E	4304751063	18113	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2AS	18	100S	230E	4304751064	18117	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2DS	18	100S	230E	4304751065	18116	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2AS	18	100S	230E	4304751066	18114	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2DS	18	100S	230E	4304751067	18115	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-10F	10	100S	230E	4304738225	16565		GW	P	SENW			MVRD	P	UTU 72028	N2995
BONANZA 1023-6D1AS	6	100S	230E	4304751450	18320		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995
BONANZA 1023-6C1CS	6	100S	230E	4304751448	18319		GW		NENW	D				UTU 38419	N2995
BONANZA 1023-6D3AS	6	100S	230E	4304751452	18317		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU33433

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☑ Diff. Resvr.,
Other: RECOMPLETION

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: KERR MCGEE OIL & GAS ONSHORE, L.P.

8. Lease Name and Well No.: BONANZA 1023-5G2CS

3. Address: PO BOX 173779, DENVER, CO 80217

3a. Phone No. *(include area code)*: 720-929-6000

9. API Well No.: 4304750487

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: SWNE 2060 FNL 1442 FEL S5,T10S,R23E 39.97959 N LAT; 109.34647 W LON

At top prod. interval reported below: SWNE 2394 FNL 2434 FEL S5,T10S,R23E

At total depth: SWNE 1729 FNL 2427 FEL S5,T10S,R23E

10. Field and Pool or Exploratory: NATURAL BUTTES

11. Sec., T., R., M., on Block and Survey or Area: S5,T10S,R23E SLB

12. County or Parish: UINTAH

13. State: UT

14. Date Spudded: 01/18/2010

15. Date T.D. Reached: 03/06/2010

16. Date Completed: 04/25/2012 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5319

18. Total Depth: MD 8725 TVD 8560

19. Plug Back T.D.: MD 8653 TVD 8488

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CHI TRIPLE COMBO-GR/CCL-ACOUSTIC CBL

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
								940	PROD CSG

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7618							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5422	6374	5422-6374	0.36	72	OPEN
B) MESAVERDE	6992	8632	6992-8632	0.36	256	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5422-6374	PUMP 2,489 BBLS SLICK H2O & 73,890 LBS 30/50 OTTAWA SAND
	3 STAGES

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/25/12	4/27/12	24	→	0	2142	0			FLOWING

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
20/64	178	110	→	0	2142	0		PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER	1198
				BIRD'S NEST	1424
				MAHOGANY	1992
				WASATCH	4417
				MESAVERDE	6504

32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 5422-6374'; existing perforations: Mesaverde 6992-8632'. Iso plug was drilled out 4/25/12 and zones are fully commingled. Test information is production from commingled zones.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* CARA MAHLER Title REGULATORY ANALYST

Signature Date 6/7/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	BONANZA 1023-5G2CS YELLOW	**Wellbore No.**	OH
Well Name	BONANZA 1023-5G2CS	**Wellbore Name**	BONANZA 1023-5G2CS
Report No.	1	**Report Date**	3/29/2012
Project	UTAH-UINTAH	**Site**	BONANZA 1023-5G PAD
Rig Name/No.		**Event**	RECOMPL/RESEREVEADD
Start Date	3/29/2012	**End Date**	4/25/2012
Spud Date	1/24/2010	**Active Datum**	RKB @5,333.01ft (above Mean Sea Level)
UWI	SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0		

1.3 General

Contractor		**Job Method**		**Supervisor**	
Perforated Assembly		**Conveyed Method**			

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,422.0 (ft)-6,374.0 (ft)	**Start Date/Time**	4/3/2012 12:00AM
No. of Intervals	6	**End Date/Time**	4/3/2012 12:00AM
Total Shots	72	**Net Perforation Interval**	18.00 (ft)
Avg Shot Density	4.00 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

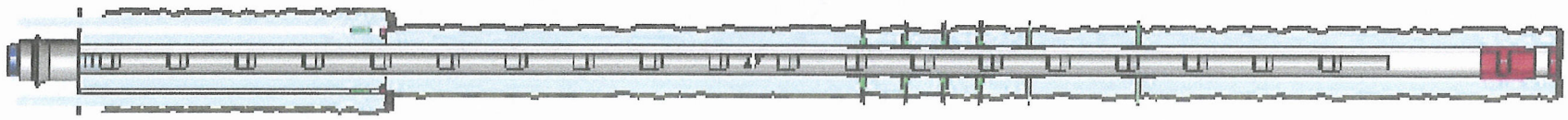
Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/3/2012 12:00AM	WASATCH/			5,422.0	5,424.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/3/2012 12:00AM	WASATCH/			5,516.0	5,520.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
4/3/2012 12:00AM	WASATCH/			5,590.0	5,592.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
4/3/2012 12:00AM	WASATCH/			5,632.0	5,635.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
4/3/2012 12:00AM	WASATCH/			5,776.0	5,777.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
4/3/2012 12:00AM	WASATCH/			6,368.0	6,374.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic



US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS YELLOW	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 3/29/2012	End Date: 4/25/2012
Active Datum: RKB @5,333.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/2/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING DOWN RIG
	7:30 - 10:00	2.50	COMP	47	A	P		RDMO, BONANZA 1023-5G3BS MIRU, BONANZA 1023-5G2CS
	10:00 - 18:00	8.00	COMP	31	I	P		200# FTP & FCP, CNTRL TBG W/ 30 BBLS, N/D WH, N/U BOPS, UNLAND TBG, MIRU SCAN TECH, POOH SCAN 2 3/8" L-80 TBG 257= TOTAL JTS SCANNED 191JTS YLW BND 61 JTS RED BND (BTM 35 JTS VERY BAD WALL LOSS) L/D X/N NIPPLE, N/D BOPS, N/U F/V 6PM SWI, SDFN
4/3/2012	8:00 - 10:00	2.00						MIRU CASED HOLE SOLUTIONS, P/U & RIH W/ HAL 10K CBP SET @ 6424', POOH, RDMO CASED HOLE, MIRU B&C QUICK TEST, PSI TEST,CSG,CBP, FV TO 1000# = 15MIN= XX LOSS, 3500#=15MIN=150 LOSS, , RDMO B&C, SWI. REPAIR FV, RETEST IN AM
4/4/2012	9:00 - 11:00	2.00	COMP	33	C	P		B & C QUICKTEST REPAIRED FV, R/U PSI TEST FV, CBP, CSG TO 1000# - 15 MIN = 7# LOSS, 3500# - 15 MIN = 25# LOSS, 6200# - 30 MIN = 37# LOSS, SWI. RDMO
4/13/2012	8:45 - 9:00	0.25	COMP	48		P		HSM & JSA W/CASEDHOLE SOLUATIONS.
	9:00 - 9:50	0.83	COMP	37	B	P		WHP 0 PSI. (ISOLATION CBP @ 6424') MIRU WIRELINE, PU 3 3/8" GNS, 23 gm, 0.36 HOLE, 90 DEG PHSG. 24 HOLES. RIH & PERF WASATCH AS PER DESIGN. POOH & L/D TOOLS. SWI - PREP TO FRAC 4/16/12.
4/16/2012	6:45 - 7:00	0.25	COMP	48		P		HSM & JSA W/SUPERIOR WELL SERVICE & CASEDHOLE WIRELINE.
	9:22 - 9:56	0.57	COMP	36	E			MIRU SUPERIOR WELL SERVICE. P/T PUMP & LINES TO 7400 PSI. FRAC STG 1) WHP 1226 PSI. BRK DWN PERF 4.2 BPM @ 2892 PSI. ISIP 1809 PSI. F.G. 0.72. EST INJ RATE 50.4 BPM @ 4228 PSI. 22/24 PERFS OPEN - 92%. MP 5106 PSI, MR 50.9 BPM, AP 4199 PSI, AR 50.4 BPM. ISIP 2847 PSI, F.G. 0.89, NPI 1038 PSI. PMP'D 1274 BBLS SLK WTR, 37,868 LBS 30/50 SND. X-OVER FOR WL.
	10:00 - 10:45	0.75	COMP	37	B	P		PERF STG 2) P/U 3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. PERF WASATCH AS PER PERF DESIGN. POOH & HANG BACK LUB. X-OVER FOR FRAC

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS YELLOW	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 3/29/2012	End Date: 4/25/2012
Active Datum: RKB @5,333.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:12 - 11:28	0.27	COMP	36	E	P		FRAC STG 2) WHP 722 PSI. BRK DWN PERF 4 BPM @ 2521 PSI. ISIP 1708 PSI. F.G. 0.74. EST INJ RATE 50.2 BPM @ 4147 PSI. 21/24 PERFS OPEN - 87%. MP 4690 PSI, MR 50.4 BPM, AP 4476 PSI, AR 50 BPM. ISIP 1610 PSI, F.G. 0.72, NPI (-98) PSI. PMP'D 585 BBLS SLK WTR, 17,426 LBS 30/50 TLC SND. X-OVER FOR WL.
	11:32 - 12:17	0.75	COMP	37	B	P		PERF STG 3) P/U 3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. PERF WASATCH AS PER PERF DESIGN. POOH & HANG BACK LUB. X-OVER FOR FRAC
	13:05 - 13:21	0.27	COMP	36	E	P		FRAC STG 3) WHP 1143 PSI. BRK DWN PERF 3.8 BPM @ 2272 PSI. ISIP 1459 PSI. F.G. 0.71. EST INJ RATE 48.3 BPM @ 5155 PSI. 15/24 PERFS OPEN - 61%. MP 5572 PSI, MR 50.6 BPM, AP 3909 PSI, AR 45.6 BPM. ISIP 1483 PSI, F.G. 0.71, NPI 24 PSI. PMP'D 630 BBLS SLK WTR, 18,596 LBS 30/50 TLC SND. X-OVER FOR WL.
	13:25 - 14:10	0.75	COMP	34	I	P		KILL PLUG) P/U HALCO 8K CBP. RIH SET CBP @ 5372'. POOH W/TOOLS. SWI - SDFN TOTAL WATER 2,489 BBLS TOTAL SAND 73,890 LBS SCALE INHIBITOR 83 GAL BIOCIDE 37 GAL
4/24/2012	12:00 - 17:00	5.00	COMP	31	I	P		MIRU, N/D WH, N/U BOPS, R/U FLOOR, P/U 3 7/8" SBB, POPBS, RIH W/ 170 JTS 2 3/8" L-80 TBG, TAG KILL PLUG ,R/U PWR SWIVEL, PREP TO D/O IN AM 5 PM SWI, SDFN
4/25/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, LANDING WELL UNDER PSI 0 PSI ON WELL

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS YELLOW	Spud Conductor: 1/18/2010	Spud Date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 3/29/2012	End Date: 4/25/2012
Active Datum: RKB @5,333.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50	COMP	44	C	P		EOT @ 5350' BREAK CIRC CONV, PSI TEST BOPS TO 3000 PSI W/ RIG PUMP, D/O CBP @ 5372', 5 MIN, 100# KICK, FCP = 50#, RIH TAG @ 5520' C/O 30' SAND, D/O CBP @ 5550' 5 MIN, 100 KICK, FCP = 50#, RIH TAG @ 5777"C/O 30' SAND, D/O CBP @ 5807' 5 MIN, 0 KICK, FCP = 0#, RIH TAG @ 6374" C/O 50' SAND, R/U WFT FOAM / N2 UNIT BREAK CIRC CONV,UNLOAD HOLE, 45 MIN, D/O ISO PLUG @ 6424' CIRC CLEAN, RIH TAG @ 8600', C/O TO PBTD @ 8666', CIRC CLEAN, L/D 33 JTS, LAND @ 7617.85 KB = ...14' HANGER = ...83' 240 JTS 2 3/8" L-80 TBG = ...7602.75' POPBS = ...2.1' N/D BOPS, N/U WH, PUMP OPEN BIT SUB W/ FOAM / N2 UNIT @ 1150 PSI, BLOW WELL AROUND. T/O TO FB CREW & PROD. FTP = 300# SICP = 600# OLTR 2489 RIG RECOVERED 500 LTR 1989 RDMO, MIRU, BON 1023-5G2AS
4/27/2012	7:00 -			50				WELL IP'D ON 4/27/12 - 2142 MCFD, 0 BOPD, 0 BWPD, CP 110#, FTP 178#, CK 20/64", LP 80#, 24 HRS

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU33433

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☑ Diff. Resvr.,
Other: RECOMPLETION

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: KERR MCGEE OIL & GAS ONSHORE, L.P.

8. Lease Name and Well No.: BONANZA 1023-5G2CS

3. Address: PO BOX 173779, DENVER, CO 80217

3a. Phone No. *(include area code)*: 720-929-6000

9. API Well No.: 4304750487

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: SWNE 2060 FNL 1442 FEL S5,T10S,R23E 39.97959 N LAT; 109.34647 W LON

At top prod. interval reported below: SWNE 2394 FNL 2434 FEL S5,T10S,R23E

At total depth: SWNE 1729 FNL 2427 FEL S5,T10S,R23E

10. Field and Pool or Exploratory: NATURAL BUTTES

11. Sec., T., R., M., on Block and Survey or Area: S5,T10S,R23E SLB

12. County or Parish: UINTAH

13. State: UT

14. Date Spudded: 01/18/2010

15. Date T.D. Reached: 03/06/2010

16. Date Completed: 04/25/2012 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5319

18. Total Depth: MD 8725 TVD 8560

19. Plug Back T.D.: MD 8653 TVD 8488

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CHI TRIPLE COMBO-GR/CCL-ACOUSTIC CBL

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
								940	PROD CSG

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7618							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5422	6374	5422-6374	0.36	72	OPEN
B) MESAVERDE	6992	8632	6992-8632	0.36	256	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5422-6374	PUMP 2,489 BBLS SLICK H2O & 73,890 LBS 30/50 OTTAWA SAND
	3 STAGES

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/25/12	4/27/12	24	→	0	2142	0			FLOWING

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
20/64	178	110	→	0	2142	0		PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER	1198
				BIRD'S NEST	1424
				MAHOGANY	1992
				WASATCH	4417
				MESAVERDE	6504

32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 5422-6374'; existing perforations: Mesaverde 6992-8632'. Iso plug was drilled out 4/25/12 and zones are fully commingled. Test information is production from commingled zones.

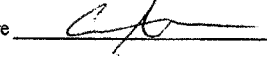
33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* CARA MAHLER Title REGULATORY ANALYST

Signature  Date 6/7/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-5G2CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047504870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2060 FNL 1442 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 6/11/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: WELLBORE CLEANOUT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A WORKOVER/WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE BONANZA 1023-5G2CS, SEE THE ATTACHED OPERATIONS SUMMARY REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 16, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Doreen Green	435 781-9758	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/15/2015

RECEIVED: Jun. 15, 2015

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS YELLOW	Spud Conductor: 1/18/2010	Spud date: 1/24/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD		Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE	Start date: 5/27/2015		End date: 6/2/2015
Active datum: RKB @5,333.00usft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
5/27/2015	11:00 - 14:30	3.50	MAINT	30	A	P		MIRU,ON BON 1023-6N4BS, MUDDY ROADS HAD TO CHAIN UP RIG.
	14:30 - 15:00	0.50	MAINT	30	E	P		SICP & SITP 500, CONTROL TBG W/ 20 BBLS, CSG W/ 25 BBLS,
	15:00 - 17:00	2.00	MAINT	30	C	P		ND WH, HAD CHANGE IN PLANS, NU WH RIG DOWN, PREP TO MOVE TO THIS LOCATION IN AM.
5/28/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, ROADING RIG & EQUIP ON MUDDY ROADS
	7:30 - 11:00	3.50	MAINT	30	G	P		MOVED TO LOCATION W/ ROAD GRADDER,LET SLICL LINE FISH PLE, SICP 800, FTP 50 PSI,
	11:00 - 14:30	3.50	MAINT	30	A	P		RIGGED UP RIG, CONTROL TBG W/ 30 BBLS CSG W/ 20 BBLS, ND WH PULL TO 80,000# HANGER IS STUCK.
	14:30 - 17:30	3.00	MAINT	31		P		ORDERED JARS FROM TOWN, PU JARS & INT, JARRED 6 TIMES @ 60,000# GOT HANGER FREE, PULLED UP TBG FREE, RELAND TBG, L/D JARS & INT, NU BOPS SWI SDFN.
5/29/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, SCANNING TBG
	7:30 - 10:00	2.50	MAINT	31	I	P		SICP 50 PSI, BLEW WELL DWN, UNLAND TBG L/D HANGER, PU 33 JTS 23/8 L-80 TAG UP @ 8641' 9' BELOW BTM PERF @ 8632', L/D 33 JTS RU SCAN TECH.
	10:00 - 12:30	2.50	MAINT	45	A	P		SCAN & S.L.M OUT W/ 241 JTS 23/8 L-80, PUP JT , 37 JTS 23/8 J-55 & X/N LIGHT SCALE ON OD OF TBG, RD SCAN TECH. 193 YELLOW 47 BLUE 1 BAD CRIMPED BY TONGS LIGHT EXT SCALE JTS 170-178, MED EXT SCALE JTS 179-210, X/N LOOKED GOOD.
	12:30 - 15:00	2.50	MAINT	31	I	P		RIH W/ 37/8 MILL, 41/2 CSG SCRAPPER & 170 JTS 23/8 TO 5401' JUST ABOVE TOP PERF, PREP TO C/O MONDAY SWI SDFWE.
6/1/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, C/O W/ AIR/N2
	7:30 - 8:30	1.00	MAINT	31	I	P		SICP 800, OPEN TO FB TNK, CONTROL TBG W/ 20 BBLS T-MAC, RIH W/ REM 103 JTS 273 IN TAG @ 8641' INSTALL TSF, RU SWIVEL.
	8:30 - 17:00	8.50	MAINT	44	D	P		BROKE CIRC W/ AIR/N2 IN 1 HR 35 MIN, CO/FILL F/ 8641' TO 8652', CIRC CLN KILL TBG, RD SWIVEL, REM TSF, L/D 32 JTS, POOH W/ 241 JTS L/D SCRAPPER & MILL, RIH W/ X/N & TBG LAND TBG ON 241 JTS @ 7631.53', SWI SDFN. KB = 14' HANGER = .83' 204 JTS 23/8 L-80 = 6452.03' PUP JT 23/8 L-80 = 6.20' 37 JTS 23/8 J-55 = 1157.42' X/N 1.875 = 1.05' EOT @ 7631.53'
6/2/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, BROACHING TBG

RECEIVED: Jun. 15, 2015

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-5G2CS YELLOW	Spud Conductor: 1/18/2010	Spud date: 1/24/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-5G PAD	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE	Start date: 5/27/2015	End date: 6/2/2015
Active datum: RKB @5,333.00usft (above Mean Sea Level)	UWI: SW/NE/0/10/S/23/E/5/0/0/26/PM/N/2,073.00/E/0/1,480.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:30 - 9:00	1.50	MAINT	30	C	P		SICP 300, BROACHED TBGOK, ND BOPS NU WH SWI, RDMOL
6/9/2015	7:00 - 14:00	7.00	PROD	42		P		SWABBING FL 3050
6/10/2015	7:00 - 15:00	8.00	PROD	42		P		SWABBING FL 3550
6/11/2015	7:00 - 15:00	8.00	PROD	42		P		SWABBING FL 3900

RECEIVED: Jun. 15, 2015